# Epicenter University Innovation Fellows Program Annual Meetup Evaluation

The National Center for Engineering Pathways to Innovation (Epicenter) is funded by the National Science Foundation and directed by Stanford University and VentureWell. Epicenter's mission is to empower U.S. undergraduate engineering students to bring their ideas to life for the benefit of our economy and society. To do this, Epicenter helps students combine their technical skills, their ability to develop innovative technologies that solve important problems, and an entrepreneurial mindset and skillset. Epicenter's three core initiatives are the University Innovation Fellows program for undergraduate engineering students and their peers; the Pathways to Innovation Program for institutional teams of faculty and university leaders; and a research program that informs activities and contributes to national knowledge on entrepreneurship and engineering education.

## **BACKGROUND**

On February 19–22<sup>th</sup>, 2015 the UIF program held its Annual Meetup in Silicon Valley. There were 148 student participants in attendance, with 39 from the recently trained Cohort 7 and another 109 trained in Fall 2014 as part of Cohort 6. Participants spent time at Google and the Stanford d.School to learn about innovation and entrepreneurship, network with other Fellows, and to gain ideas and insights to apply once returning to campus.

At the conclusion of the training, participants were asked to complete an online survey in which they reflected on perceived value and effectiveness of the event. The purpose of this report is to provide the results from the survey. This feedback is designed to provide the program leaders with formative feedback in which to compare the experiences of this Meetup to others, to make any improvements for the 2016 Meetup and to validate the fidelity of program implementation.

## **METHODOLOGY**

At the conclusion of the training, all participants were invited to complete a survey reflecting on their Meetup experience. The survey was hosted by SageFox, and invitations to complete the survey were extended to participants by the program leadership. Reminders were sent on a frequent basis (by program leadership through regular communication with candidate Fellows and posting on the UIF Facebook site). As an incentive to boost the response rate, program leaders committed to getting tattooed with the UIF logo if 100% of participants responded to the survey.

While at the Meetup, two evaluators from SageFox conducted informal "on-the-fly" interviews with more than 30 Fellows and five faculty participants during breaks and meals. This report includes quotations and highlights from these interviews to provide additional context. Quotations from interviews are called out in text boxes to distinguish them from the open-end survey responses.



#### RESPONDENTS

There were 96 Fellow responses to the survey representing a response rate of 65% of the 148 Fellows attending. This number excludes the "Fab 8" group of Fellows, who acted organizers and facilitators. The cohort breakdown includes:

**Table 1: Response Rates** 

		# responding	
	# attending	to survey*	% response
Cohort 6	39	28	72%
Cohort 7	109	60	55%

<sup>\*12</sup> respondents did not complete the survey and therefore did not identify their cohort

Of the respondents, 82% completed their training as part of a leadership circle (71% of Cohort 6 and 88% of Cohort 7). Eighty-three percent of Fellows report there are other Fellows on their campus (86% of Cohort 6 and 82% of Cohort 7).

Respondents were primarily from engineering disciplines (68%) and/or other STEM disciplines (27%). Nearly a quarter identified as having a non-STEM major.<sup>1</sup>

There were 12 additional responses (partial responses), which, because the demographic questions were given toward the end of the survey, could not be associated with any cohort representing Fellows from other cohorts and faculty members. The inclusion of these partial responses in the tables in this report is signified with an asterisk.

#### **KEY FINDINGS**

Fellow participants had a positive experience at the Meetup. Nearly all the Fellows (96%) report that the Meetup reinforced their feeling that they are part of a national student-driven movement supporting innovation and entrepreneurship (I&E) in higher education. Fellows had valuable networking opportunities. Sessions were well received, with most Fellows planning to apply what they've learned to their work on campus and as students. Fellows also report feeling more equipped to advocate for and to make changes to the I&E ecosystem on campus.

The location of the Meetup and the environment created by the organizers was one of the best parts of the meeting, according to many Fellows. Fellows reported that:

Being able to physically see and communicate with everyone was very inspirational. Rarely am I around 20 like minded inspiring people let alone 200. Sharing our ideas with what has worked on our respective campuses and what we would like to see work in the future in the day three un-conference was a highlight in my book. Additionally, the atmosphere free of any judgment embodied by the "Yes, and" phrase allowed everyone to share ideas openly without fear of being shot down.

I think the environment was the most valuable aspect for me. Being in the Silicon Valley with other students that are motivated and passionate about education but come from all different walks of life was so inspiring, and so great.

The directors fostered a wonderful atmosphere; I really felt welcome.

<sup>&</sup>lt;sup>1</sup> Participants could select more than one major

Being able to experience such an inspirational environment and the extra intravenous "push" towards innovation that I experienced while in Silicon Valley.

#### From the Interviews: Fellows' Comments

"That space in there [Google HQ], it speaks. It's open. It's expansive. It speaks, 'Let's create.' It enables the collaborative. It's fantastic. So, whatever this thing is that we have a partnership here with, I love it."

The facilitators "prepared our attitudes" which "got us thinking it's not always about us. It's about the best idea. It's about making the best thing go forward."

## **Quality of the Experience**

## Panels and Presentations

Participants report that the panel and presentation sessions were all of high quality. Ninety-seven percent of participants report that they are more equipped with the knowledge and skills to advocate for I&E and 94% report they are more equipped to make sustained change regarding I&E on campus as a result of the panels and presentations. Participants were particularly drawn to the sessions led by violinist Kai Knight, by Googler Daniel Navarro, and by veteran Fellows (See Table 2). It is possible that this is because their presentations may have been easier to relate to as they were able to speak about making change while approaching graduation or having recently graduated from college and are in the early stages of career development with an innovation and entrepreneurship focus.

Table 2: Quality of Panels and Presentations (% of respondents marking 4 or 5, where 5 is "excellent" and 1 is "poor")

	% High quality
Stanford Day 1: Performance and presentation by Kai Kight	96%
Google: Google for Entrepreneurs with Daniel Navarro	94%
Stanford Day 2: Sparks! Fellows Igniting Change (presentations by Ben Riddle and Bre Przestrzelski, Greg Wilson, Meenu Singh and Ryan Phillips)	89%
Google: Google X with Amanda Kelly	88%
Stanford Day 2: Change in Academia (Panel with Mehran Sahami, Que Anh Nguyen, Kelly Schmutte and Nina Church)	78%
Stanford Day 1: Lean Startup Meets Design Thinking with Olga Dotter	77%
Google: People Development at Google (Panel with Erica Fox, Natalie Johnson, Sarah Devereaux, Matthew Klein and Jennifer Kurkoski)	72%

#### Interactive Sessions

Fellows found the interactive sessions to be of high quality (See Table 3). They particularly liked the session led by the Nueva School high school students. The juxtaposition of learning at Google and learning from high school students implicitly encouraged open-mindedness to learning from diverse and maybe unexpected teachers. Fellows commented that:

I was a big fan of the different activities. It was always unique and unpredictable.

Having the Google motivational speeches was extremely beneficial to see what work we can do. Also, Stanford Day 1, with more interactive activities allowed a better understanding of leadership as well as learning how to create that culture of innovation and entrepreneurship on campus.

**Table 3: Quality of Interactive Sessions** (% of respondents marking 4 or 5, where 5 is "excellent" and 1 is "poor")

	% High quality
Google: Fostering an Innovation Culture: From Google to UIF	90%
(with Frederik Pferdt and Leticia Britos Cavagnaro - rock paper scissors and draw your partner)	3070
Stanford Day 1: Do Think Make session with Nueva School students (visual thinking)	90%
Google: Innovation Sprint (How to build and innovation culture in your organization)	88%
Stanford Day 1: Do Think Make session with Erik Olesund and Collective Capital team (improv)	86%
Stanford Day 1: The Rhythm of a Movement with Aleta Hayes (leadership lessons through movement)	84%
Stanford Day 1: Do Think Make session with Melissa Pelochino (six thinking hats)	84%
Stanford Day 1: Making Space for Innovation with Meg Weir and Leticia Britos Cavagnaro: Part I	83%
(guided exploration of campus and d.school spaces)	0370
Stanford Day 1: Do Think Make session with Valerie Sherry, Meenu Singh, Atin Mittra (creativity workout)	82%
Stanford Day 1: Do Think Make - Part II (design your own experiential learning activity)	80%
Stanford Day 2: Meet Me Halfway (role-playing exercise led by Atin Mittra)	80%
Stanford Day 2: Wrap-up ("bumper sticker reflection")	77%
Stanford Day 1: Making Space for Innovation with Meg Weir and Leticia Britos Cavagnaro: Part II	76%
(unpacking observations and ideating concepts for activating spaces)	7070
Stanford Day 1: Do Think Make session with John Desjardin, Bre Przestrzelski and Ben Riddle (Live Business Model Canvas)	70%

#### Peer-to-Peer Activities

The peer-to-peer activities were seen as of high quality. Fellows enjoy learning with and from each other (See Table 4). Comments include:

The unconference was the best part by far. I also really enjoyed any down time we had to be able to interact with other students.

Getting deep into Design Thinking and applying it to ways we might foster innovation on campuses was absolutely amazing. The unconference session and design thinking workshops at Google were just amazing.

I also loved the unconference session. It was so helpful to have the opinion and feedback of other Fellows.

Table 4: Peer-to-Peer Activities (% of respondents marking 4 or 5, where 5 is "excellent" and 1 is "poor")

	% High quality
Stanford Day 1: Fun and Dessert (games, firepit, s'mores, music, etc.)	94%
Stanford Day 2: Changing the Game: Fellows Reinventing Education (unconference session)	90%

# Type of Session

The session offered were all of high quality and together met the programmatic goals or the Meetup (see Table 5). Somewhat surprisingly, the peer-to-peer activities were rated as being of lower quality than the interactive sessions and the panels and presentations. Though these sessions did foster a sense

of being part of a national movement, it could be that the participants felt they increased their skills through more formal approaches led by guest facilitators.

**Table 5: Quality of Session Types** (% of respondents marking 'agree' or 'strongly agree')

	Panels and	Interactive	Peer-to-peer
	presentations	sessions	activities
As a result of participating, I am more equipped with the knowledge and skills to advocate for I&E	97%	97%	92%
As a result of participating I am more equipped to make sustained change regarding I&E on my campus	93%	95%	90%
As a result of participating, I feel like I am part of a national, student-driven movement supporting I&E in higher education	99%	98%	96%

## **Application of Learning**

The Meetup is designed to give Fellows practical exposure to a variety of activities to boost creative confidence, assess the I&E landscape, and design for I&E related activities. Fellows plan to apply what they've learned to their work as Fellows (see Table 6), and to their own schoolwork as well.

**Table 6: Application of Learning** (% of respondents marking 'agree' or 'strongly agree')

	% Agree
I will apply what I learned during the event to my work as a Fellow	96%
I will apply what I learned during the event to my school work	89%

Fellows were asked to specify what they will do (or do differently) as a result of their experience for both themselves and for their institutions. For themselves, Fellows discussed change in their attitudes, including thinking bigger and with more confidence. Many Fellows report they are highly inspired and empowered to make change. For example:

I will dream big, and hope in my dreams. I will do my best to be a positive influence in our world. Dream Big, be curious, & always be uncomfortably excited.

I will apply design thinking, yes and mentality and a fail fast succeed faster mentality to everyday encounters.

Encourage wild ides. I won't limit what I come up with to what I immediately deem as implausible. I will also open up to more people, sharing what UIF represents and why it is such an important mission.

[I] value myself more than before.

When what will be different when working with their institutions, Fellows discussed raising awareness, galvanizing support (particularly from faculty, staff and administrators) and creating a culture change on campus. For example:

Evangelize for the value of design thinking.

I will create a group or event that nearly every student (not just engineers) will hear about so that, regardless of final attendance, that many more people can consider innovative design thinking as an option in their own careers.

I will try to collaborate better with the faculty and staff here at my school

I'm excited to start workshops and events that promote design thinking, innovation, and entrepreneurship! I am most anxious to see how much interdisciplinary collaboration I can ignite.

Work on creating an environment and a culture of fun, creative projects and opportunities to develop their ideas.

#### From the Interviews: Fellows' Comments

We don't really have a huge I&E community. Most people don't know what it is. They're afraid of engineering and they're afraid of tech. I wouldn't say we're afraid of innovation... So, what we're really focusing on, it's like before the basics. So, I'm really looking at like creative confidence in minorities and women, just making sure that people know like you have ideas and you can communicate them succinctly, and people will listen if you do that. Like the very basis of communication, we're doing that without saying innovation and entrepreneurship so that when they finish that process, we can be like, "Did you know you just participated in I&E?" Then we can move from there.

Another conversation highlighted the importance of the Meetup for helping Fellows exchange ideas to help successful implementation. The following interview excerpt highlights this:

**UIF:** I think we need to carry over what we did in sort of the training and the orientations into the actual meetup. There was a lot of momentum with the training – presenting action plans, getting constructive feedback. The social aspect of the meet-up is fantastic, but I think we also need to carry that over like we had mentioned and pitch our plans for our universities, for our respective institutions, and kind of get it optimized and make sure we're on the right path. Other people might have tried the same thing recently and experienced success or failure. We need to know those kinds of things.

SageFox: Right, and really learn from...

**UIF:** Yeah. I mean, one of my colleagues here is talking about, "Oh, I'm trying to get a corporate sponsorship." I was telling him, "Well, you can't just contact them and be like, 'Please sponsor us.' You have to have a very precise plan." Because he's going to go contact GE. GE isn't just going to throw money at you because you're a university. So, I told him, "Maybe you should create your own business plan competition. That's worked very well for other universities like mine, and get them to sponsor a cash prize or in-kind services for that." I can say that because of my own experience and contact with corporate sponsors. If he hadn't just somehow mentioned that in conversation, we wouldn't have talked about that.

This fellow commented that, during the Meetup, "I think right now, what I really would like to see is just kind of more hands-on stuff, actually meeting with other fellows in like a design space setting and just pitching our university action plan to say, 'Hey, what do you think about it?' I want it to be torn to 'shreds.'"

## **Networking**

The Meetup provided Fellows with rich networking opportunities (See Table 7). Fellows connected with each other and with professionals in the fields of I&E. Many said that the opportunity to meet other Fellows was the best part of the meeting. We heard during one group interview that "I really enjoy the fact that like there's a lot of networking going on just for like kids our age." Another concurred saying "You don't really find a huge community of us just walking down the street. So, this is really cool to have like-minded people around. Then you get to go to Stanford and Google. So, that's really awesome." In discussion with Fellows, it became clear that the focus on I&E and campus change was more important than major, thus an "opening line" to a conversation with someone new was more often "What are you trying to do on your campus" rather than "what's your major" which is more typical among undergraduates meeting for the first time. Comments:

I really appreciated getting to interact and talk with students who have the same goal as me. That was my favorite part about the whole weekend was being able to meet the different Fellows and participate in the events together.

A faculty member in attendance noted: Seeing the power and energy students bring to the educational change process. Universities are extremely conservative, and this energy is a critical part of getting enough momentum for change.

**Table 7: Networking Opportunities** (% of respondents marking 'agree' or 'strongly agree')

	% Agree
The UIF Meetup provided me with valuable networking opportunities with other students.	95%
During the event I experienced meaningful interactions with Fellows from my cohort	94%
During the event I experienced meaningful interactions with Fellows from other cohorts	94%
The UIF Meetup provided me with valuable networking opportunities with other professionals in the innovation and entrepreneurship ecosystem.	81%
The UIF Meetup provided me with valuable networking opportunities with university faculty and staff.	78%

Fellows report a mean of 21 new connections (and a median of 10) made with people they expect to maintain contact with. This number might be skewed, however, as the range was zero to 219. The mode was five connections. When asked to specify the nature of future collaborations as result of the Meetup Fellows discussed multi-university activities including regional Meetups and collaboration/exchange of ideas between universities. Fellows also expect to exchange ideas with other Fellows, ranging from highly specific reasons such as getting advice and support in developing a startup weekend to more general exchange of ideas and support. A few students mentioned creating resources to promote collaboration and sharing between Fellows. Other Fellows plan to collaborate with UIFs on their own campuses. Specific ideas include:

As a result of the Meetup, we are organizing a regional Meetup with [Institution].

I hope to work with other Fellows from schools in my region to develop a coalition of innovation and entrepreneurship that spans university boundaries.

Visiting other universities in [Region] to see their I&E scene and some of their successful projects. I am working with a school that is having trouble getting faculty on board and sharing the techniques we've found successful. I'm working with another student who's trying to implement a similar student priority.

1 ...

When I have an idea, I will definitely be contacting the Fellows I made connections with to discuss ideas and get a different perspective on the success of that idea at their school.

Trying to co-coordinate similar ideas/events on our campuses and see if similar problems arise. It's a great way to have more ideas to use on roadblocks.

I am collaborating with the other Fellows on my campus to host a TedX as well as get our projects moving on campus. I am also participating in a business model competition and using what I learned from the Meetup in our model.

## RECOMMENDATIONS FROM PARTICIPANTS

Participants appreciated the time and energy that went into the meeting. The greatest challenge with the Meetup was the amount of activity and learning that went into a short timeframe. There were requests for more thinking time, especially time for brainstorming and/or reflecting and more time to go deeply into the material. Fellows wanted more exposure to experts, but also wanted more time collaborating with peers. Though Fellows wanted "more" some also felt that the agenda was too full and they were unable to process everything or were too tired to fully appreciate the sessions. There were also very specific suggestions, which can be found in the "findings in detail section." Selected survey quotes include:

I would suggest more panelist, Q/A and presentations in which students could talk to the presenters and network.

Shorten the length of speakers' times.

I feel like there should be more time to reflect on the different ideas, projects, and activities we do. There were a lot of times where we were told to create something or come up with ideas but we didn't get to discuss our results with the other groups. I think that would have been great to see what other Fellows came up with.

More pitching/public speaking. I feel like we did a lot of designing/coming up with ideas and prototypes during sessions but we did not get to pitch to the other Fellows. Communication/public speaking are important skills and doing that with our ideas would have been fun/a good learning experience.

I would have liked to see a little bit more of the Google campus, such as their gift shop.

# **SURVEY RESPONSES IN DETAIL**

# Which of the following describes when you completed your UIF training?

		All students
	#	n = 88
Fall '14	28	32%
Spring '15	60	68%
[blank]	(12)	-

# What is your status?

		All students		
	#	n = 88		
Undergrad	81	92%		
Grad Student	7	8%		

# What is your major/focus area?

what is your major/focus area?		A.II		67
		All	C6	C7
	#	n = 88	n = 28	n = 60
Management	15	17%	21%	16%
Electrical Engineering	13	15%	3%	18%
Bioengineering	10	11%	3%	13%
Mechanical Engineering	9	10%	10%	9%
Other STEM	9	9%	5%	4%
Computer Science	8	9%	7%	10%
Biology	7	8%	10%	6%
Industrial and Entrepreneurial Engineering	7	8%	14%	6%
Manufacturing Engineering	7	8%	17%	3%
Bioinnovation	5	6%	3%	7%
Chemical Engineering	4	4%	3%	6%
Economics	4	4%	7%	3%
Computer Engineering	3	3%	0%	6%
Digital Technology and Culture	2	2%	0%	3%
Architecture	1	1%	3%	0%
Health Education and Promotion	1	1%	3%	0%
Electronic Systems Engineering Technology	0	0	0%	0%
Information Systems	0	0%	0%	1%

# Is your advisor...?

	Yes	No	All n = 88	C6 n = 28	C7 n = 60
A faculty or staff person with a dedicated Innovation and/or entrepreneurship role	43	45	48%	64%	39%
A faculty member in Engineering	40	48	45%	32%	51%
A faculty member in liberal arts	13	75	15%	21%	11%
Other STEM faculty member	9	79	10%	21%	7%
Campus administrator	8	80	9%	14%	7%
Other	3	85	3%	10%	5%

Are there other Fellows on your campus?

Yes	No	All n = 88	C6 n = 28	C7 n = 60
74	14	83%	86%	82%

If yes: Did you complete your UIF training as part of a Leadership Circle?

Yes	No	All	C6	<b>C7</b>
165	INO	n = 74	n = 24	n = 50
61	13	82%	71%	88%

Please indicate your level of agreement with the following statements

	Strongly disagree	Disagree	Unsure	Agree	Strongly Agree	All* n = 100	C6 n = 28	C7 n = 60
The Meetup provided me with valuable networking opportunities with other students	2	0	3	12	83	95%	100%	94%
The Meetup provided me with valuable networking opportunities with other professionals in the innovation and entrepreneurship ecosystem	2	7	13	30	48	81%	86%	82%
The Meetup provided me with valuable networking opportunities with university faculty and staff	3	5	11	36	45	78%	79%	81%

<sup>\*</sup>Includes 12 responses not identified by cohort

Please indicate your level of agreement with the following statements

	Strongly disagree	Disagree	Unsure	Agree	Strongly Agree	All* n = 100	C6 n = 29	C7 n = 67
I will apply what I learned during the event to my work as a Fellow	1	1	4	24	70	96%	100%	96%
The Meetup reinforced my sense of belonging to a national student-driven movement supporting innovation and entrepreneurship in higher education	1	1	4	26	68	96%	100%	96%
During the event I experienced meaningful interactions with Fellows from my cohort	1	1	2	20	76	94%	93%	96%
During the event I experienced meaningful interactions with Fellows from other cohorts	1	0	10	34	55	94%	100%	94%
I will apply what I learned during the event to my school work	1	0	3	14	82	89%	93%	90%

<sup>\*</sup>Includes 12 responses not identified by cohort

About how many new connections did you make with people you expect to maintain contact with? n = 100

Mean: 21 Median: 10 Range: 0 to 219

What new collaborations do you think you will participate in over the next few months as a result of attending the Meetup? Please describe.

## Multi-University

- A makerspace. and possibly multi-university events.
- As a result of the Meetup, we are organizing a regional Meetup with [Institution].
- 1-2, meet up with [regional] schools, maybe have some other UIFs visit [Institution]
- Form a regional meet up with those in my school's conference.

- Regional Meetup
- meet with other nearby colleges
- I hope to work with other fellows from schools in my region to develop a coalition of innovation and entrepreneurship that spans university boundaries.
- Cross collaboration with other universities with similar challenges and student priorities.
- Let's see if we can get a collaborative project between the [Regional] fellows! We're currently in talks and will accelerate the fire once each respective school term is freeing up. In addition, we need to complete our current projects as well!
- My leadership group is hosting several maker-thon / think-a-thon events in the coming months that we hope to have people [school] and [school[ attend.
- Regional economic and community development projects

## Exchange ideas with other Fellows: Specific

- With [Institution] on their program and some aspects of ours. With multiple schools on maker/idea space, freshman engineering, senior design projects, and I&E course work and programs
- Visiting other universities in [Region] to see their I&E scene and some of their successful projects. I am working with a school that is having trouble getting faculty on board and sharing the techniques we've found successful. I'm working with another student who is trying to implement a similar student priority.
- I'm in contact with my school officials to implement my campus priorities, I have contacted one of the previous fellows at the last day of the Meetup and I hope we can work together in the near future and I also have got in contact with an incubator that is partnering up with my university.
- I plan on developing products and videos the Fellows can use to help create maker spaces on their respective campus.
- I would like my university to work the other universities around us, particularly [School]. We are hoping to facilitate a start-up weekend.
- Collaborations and shared insights on establishing a virtual platform to connect students of all disciplines on campus, as well as alumni.
- Talking with other students attending a State school to discuss breaking down the barriers associated with not being a private institution.

## Exchange ideas with other Fellows: General

- When I have an idea, I will definitely be contacting the fellows I made connections with to discuss ideas and get a different perspective on the success of that idea at their school.
- Trying to co-coordinate similar ideas/events on our campuses and see if similar problems arise. It's a great way to have more ideas to use on roadblocks.
- I think other Fellows and I will collaborate on projects and share our experiences as we go along. I imagine this will inspire us to continue in our work and add to the knowledge of best practices for growing university innovation opportunities.
- Have connected with some students working on similar projects. Hope to see how they succeed or how
  they fail so we can compare notes. Also hope to maintain contact as professional relationships. Never
  know where or when these relationships will become helpful
- Will take park in BlueJeans calls with other fellows to continue to better my plan for improving my college campus.
- I'm graduating so unfortunately not really able to for long. But working with [State] has been great in inspiring my ideas.
- BlueJeans Calls, Comparing Project Initiatives, Actively pursue our Priorities on Campus, maintain communication with connections

## On-campus

• Creating an online platform for connecting innovative students with university faculty, startups, and community opportunities. Developing activities at my university based on the knowledge and experience of other UI fellows.

- The collaboration between my cohort and I will include joint work on several events for the near future (April/May 2015). Also aligning resources to establish a maker space for over the next year.
- Hackathons, Start ups, IIT entrepreneurship week, talking with faculty about plans related too finding new ways to introduce entrepreneurship and innovation on campus.
- The Meetup proved to me that the space we are in and its atmosphere effects our creative thought process more than I thought. I will work to collaborate with the building directors on campus to create a similar setting here in [city] for all student innovators.
- The real collaboration from different departments!!!!
- Working to further initiatives already starting to be established on Campus by the Fellow that was already here. There is a Start Up Weekend that is already scheduled to happen that I will be assisting with(:

# General/vague

- 100
- 3d printing
- Innovation Network. Crowdfunding
- Innovation workshops & conferences
- Still deciding which ones to do first
- So far within my cohort
- Not sure yet, but I am excited about the connections I made.
- · Work more with people who are doing similar things as us and shoot ideas back and forth

## Other

- I am working on a platform to share and show the impact of the national innovation movement.
- I will be attending hackathons as well as national forums on addressing innovation on campuses, while working to establish that environment on my own campus.
- None, just being honest.

Please rate the quality of the following PRESENTATIONS and PANELS: (% calculated based on # attending)

	Did not attend	Poor (1)	2	3	4	Excellent (5)	All* n = 96	C6 n = 28	C7 n = 60
Stanford Day 1: Performance and presentation by Kai Kight	3	2	0	2	15	72	96%	96%	94%
Google: Google for Entrepreneurs with Daniel Navarro	2	0	2	4	19	69	94%	93%	93%
Stanford Day 2: Sparks! Fellows Igniting Change (presentations by Ben Riddle and Bre Przestrzelski, Greg Wilson, Meenu Singh and Ryan Phillips)	11	0	1	8	28	48	89%	89%	88%
Google: Google X with Amanda Kelly	1	1	0	10	41	41	88%	90%	83%
Stanford Day 2: Change in Academia (Panel with Mehran Sahami, Que Anh Nguyen, Kelly Schmutte and Nina Church)	9	0	3	16	24	44	78%	86%	75%
Stanford Day 1: Lean Startup Meets Design Thinking with Olga Dotter	2	2	6	14	35	37	77%	66%	83%
Google: People Development at Google (Panel with Erica Fox, Natalie Johnson, Sarah Devereaux, Matthew Klein and Jennifer Kurkoski)	1	3	6	18	26	42	72%	66%	73%

<sup>\*</sup>Includes 8 responses not identified by cohort

# As a result of participating in PRESENTATIONS and PANELS...

	Strongly disagree	Disagree	Unsure	Agree	Strongly Agree	All* n=96	C6 n=28	C7 n=60
I am more equipped with the knowledge and skills to advocate for I&E	0	0	3	34	58	97%	97%	97%
I am more equipped to make sustained change regarding I&E on my campus	0	0	7	34	54	93%	100%	91%
I feel I am part of a national, student-driven movement supporting I&E in higher education	0	0	1	18	76	99%	97%	98%

# Please rate the quality of the following INTERACTIVE SESSIONS: (% calculated based on # attending)

	Did not	Poor				Excellent	AII*	C6	<b>C7</b>
	attend	(1)	2	3	4	(5)	n = 96	n = 28	n = 60
Google: Fostering an Innovation Culture:		(-/				(-)			
From Google to UIF (with Frederik Pferdt		•		_			000/	=00/	0=0/
and Leticia Britos Cavagnaro - rock paper	2	0	2	7	22	63	90%	79%	97%
scissors and draw your partner)									
Stanford Day 1: Do Think Make session									
with Nueva School students (visual	7	1	0	8	19	61	90%	92%	89%
thinking)									
Google: Innovation Sprint (How to build									
and innovation culture in your	2	0	1	10	38	45	88%	83%	92%
organization)									
Stanford Day 1: Do Think Make session									
with Erik Olesund and Collective Capital	8	2	3	7	24	52	86%	85%	87%
team (improv)									
Stanford Day 1: The Rhythm of a									
Movement with Aleta Hayes (leadership	3	4	2	9	22	56	84%	82%	82%
lessons through movement)									
Stanford Day 1: Do Think Make session	7	4	1	11	22	42	0.40/	050/	0.40/
with Melissa Pelochino (six thinking hats)	/	1	2	11	32	43	84%	85%	84%
Stanford Day 1: Making Space for									
Innovation with Meg Weir and Leticia									
Britos Cavagnaro- Part I (guided	1	0	2	14	38	40	83%	86%	84%
exploration of campus and d.school									
spaces)									
Stanford Day 1: Do Think Make session									
with Valerie Sherry, Meenu Singh, Atin	8	1	4	11	28	43	82%	81%	84%
Mittra (creativity workout)									
Stanford Day 1: Do Think Make - Part II									
(design your own experiential learning	4	0	3	15	26	47	80%	86%	81%
activity)									
Stanford Day 2: Meet Me Halfway (role-	9	2	6	9	31	39	80%	77%	80%
playing exercise led by Atin Mittra)	9	2	U	9	31	33	80%	7770	80%
Stanford Day 2: Wrap-up ("bumper	13	3	5	11	17	46	77%	83%	72%
sticker reflection")	13	3	J	11	17	40	7770	8370	7270
Stanford Day 1: Making Space for									
Innovation with Meg Weir and Leticia									
Britos Cavagnaro- Part II (unpacking	4	0	4	18	28	42	76%	79%	79%
observations and ideating concepts for									
activating spaces)									
Stanford Day 1: Do Think Make session									
with John Desjardin, Bre Przestrzelski and	10	3	8	15	21	39	70%	40%	77%
Ben Riddle (Live Business Model Canvas)						<u> </u>			
						*1		:-! +:£:	

<sup>\*</sup>Includes 8 responses not identified by cohort

## As a result of participating in INTERACTIVE SESSIONS...

	Strongly disagree	Disagree	Unsure	Agree	Strongly Agree	All* n=96	C6 n=28	C7 n=60
I am more equipped with the knowledge and skills to advocate for I&E	0	1	2	37	56	97%	93%	99%
I am more equipped to make sustained change regarding I&E on my campus	0	0	5	38	53	95%	93%	96%
I feel I am part of a national, student-driven movement supporting I&E in higher education	0	0	2	27	67	98%	97%	99%

<sup>\*</sup>Includes 8 responses not identified by cohort

# Please rate the quality of the following PEER-TO-PEER ACTIVITIES: (% calculated based on # attending)

	Did not	Poor				Excellent	All*	C6	С7
	attend	(1)	2	3	4	(5)	n = 96	n = 28	n = 60
Stanford Day 1: Fun and Dessert (games, firepit, s'mores, music, etc.)	6	1	0	4	23	62	94%	100%	90%
Stanford Day 2: Changing the Game: Fellows Reinventing Education (unconference session)	13	0	1	7	32	43	90%	96%	88%

<sup>\*</sup>Includes 8 responses not identified by cohort

## As a result of engaging in PEER-TO-PEER ACTIVITIES...

	Strongly disagree	Disagree	Unsure	Agree	Strongly Agree	All* n=96	C6 n=28	C7 n=60
I am more equipped with the knowledge and skills to advocate for I&E	0	0	8	32	56	92%	93%	93%
I am more equipped to make sustained change regarding I&E on my campus	0	0	10	26	60	90%	90%	93%
I feel I am part of a national, student-driven movement supporting I&E in higher education	0	0	4	22	70	96%	93%	94%

<sup>\*</sup>Includes 8 responses not identified by cohort

# Overall, how well did the University Innovation Fellows Meetup meet your expectations?

	#		% Met + Exceeded					
Did not meet my	Met my	Exceeded my	All*	C6	С7			
expectations	expectations	expectations	n = 90	n = 28	n = 60			
0	19	71	79%	76%	79%			

<sup>\*</sup>Includes 2 responses not identified by cohort

What was most valuable about the UIF Annual Meetup? Please describe specific activities, sessions, or other highlights if appropriate.

# Meeting people

- I really appreciated getting to interact and talk with students who have the same goal as me. That was my favorite part about the whole weekend was being able to meet the different fellows and participate in the events together.
- Engaging with other students about the projects we plan to implement
- Meeting all the new connections.
- Meeting the fellows
- The people I met
- The connections, and the motivation it brought to me
- The network, all the people I met and their perspectives were priceless.
- Meeting with, learning from and brainstorming with like-minded, driven, innovative students.

- Meeting people that shared the same ideas and interests as me.
- I enjoyed networking with other students who had similar challenges and ideas. It was great to meet people who think the same way as I do.
- Meeting other people trying to do the same thing as my leadership circle and seeing how they are doing
  it. It was nice to go to see what UIF is assisting students to do around the nation.
- Meeting people around world with outstanding performance, really Great organization
- Connections and networking opportunities

#### **Environment**

- Wonderful activities, great network, great environments could not ask for
- I think the environment was the most valuable aspect for me. Being in the Silicon Valley with other students that are motivated and passionate about education but come from all different walks of life was so inspiring, and so great.
- Being able to physically see and communicate with everyone was very inspirational. Rarely am I around 20 like-minded inspiring people let alone 200. Sharing our ideas with what has worked on our respective campuses and what we would like to see work in the future in the day 3 un-conference was a highlight in my book. Additionally, the atmosphere free of any judgment embodied by the "Yes, and" phrase allowed everyone to share ideas openly without fear of being shot down.
- Being able to experience such an inspirational environment and the extra intravenous "push" towards innovation that I experienced while in Silicon Valley. The final day at the D school interacting with fellows from previous years and sharing experiences and questions with them was one of the most important things of this whole event.
- All activities were informative and exciting. The directors fostered a wonderful atmosphere; I really felt welcome. Design thinking was taught in a very novel, memorable way. This trip will stay with me forever.
- I value meeting UIF at Stanford, riding Goggle bicycles and sharing ideas and outlooks with people that are openly innovative.
- The most inspirational interfaces in my view were those between fellows. Although it was interesting hearing members of the Google, Apple and Stanford community speak to the group, the most meaningful connections and ideas flared during normal conversation between two like-minded students in my eyes. Any sessions or activities that fostered this was memorable and contributed to innovation and entrepreneurship on my campus. One example of this was the white board campus I&E brain storming activity at the d school.
- There are three things I found to be enormously valuable from this annual meet-up. The first would be the energy we derived from these events, activities or speakers. GoogleX was more helpful for helping us understand the innovative culture in the Silicon Valley. D.School was more helpful for developing ideas for the campus/community we are returning to. The second point of value I got out of the experience was ideas for activities/events we can hold back at our campus. Even the small activities like the drawing exercises and the rock-paper-scissors competition provided me with thoughts of how to start that creative thinking process for others who are not familiar with ideating from nothing. Weighing strengths and weaknesses my school has with innovation and entrepreneurship is the third most valued thing I got from this experience. I saw that our school does some things right like giving us the courage to try doing a start-up but other things are lacking. For instance, we could use more events that spark interest in these subjects and cause people to think creatively.

## Specific sessions

- The unconference was the best part by far. I also really enjoyed any down time we had to be able to interact with other students.
- Getting deep into Design Thinking and applying it to ways we might foster innovation on campuses was absolutely amazing. The unconference session and design thinking workshops at Google were just amazing.
- Creative workout was a lot of fun!
- D. Navarro-BEST

- Learning about perseverance and how to bring I&E to our schools with Danny at Google
- Brainstorming sessions
- Google Tour.
- Bumper sticker ending activity, game board design activity at Google, Presentation by Daniel about his life leading up to his time at Google.
- Interpretive Dance-it was incredibly engaging and gave me a lot of insight on aggressive listening and being in tune with the people around me.
- The network, Google X, the Do Think Make Part II activity, and the regional collaboration in Stanford Day 2
- Developing a specific plan to create and implement an activity; Role-playing with difficult faculty; these are the types of skill that transform hopes and desires into executable plans.
- The breakout session with the hats and visual thinking proved to be very beneficial for me. I also loved the unconference session. It was so helpful to have the opinion and feedback of other fellows. I especially found value in the whole day at Google. Frederick Pferd's session was excellent to me, and I also loved Daniel Navarro's presentation.

## Types of sessions

- By far, the most valuable parts were the small group activities or sessions. It's hard to make connections with so many people unless we are broken up into smaller, meaningful groups
- The 2 most valuable things were: 1) all sessions in which small groups of fellows from various schools got
  together and talked about concrete, self-professed issues on their campuses (creating our own education
  experience, the networking hour on the final day at Stanford, the challenge at Google); and 2) exposure to
  and motivation from previous fellows and successful professional innovators (curriculum change talk,
  firestarters)
- Having the Google motivational speeches was extremely beneficial to see what work we can do. Also,
   Stanford Day 1, with more interactive activities allowed a better understanding of leadership as well as learning how to create that culture of innovation and entrepreneurship on campus.
- Listening to experts talk
- I really liked the active activities. Some of the speakers were very good. I really like the student speakers and the Stanford professor
- I was a big fan of the different activities. It was always unique and unpredictable.
- The presentations were great; the activities were great (I don't know how to dance, so the improv dance activity was challenging).
- Whenever we were able to go through the process of designing/pitching an idea/product
- I enjoyed the informative sessions with the great inspirational stories. I also really liked the interactive sessions as they showed us what we can do to show I&E as approachable and fun.
- Working with other fellows to plan "events" and "spaces". It was great to see how other people went about brainstorming and thinking through the plans. I liked the colored hat activity because it helped exemplify all the different ways you need to look at a situation to be closer to having a successful plan.

#### General

- The motivation and inspiration gleaned from the entire array of events and activities.
- I don't know where to start.
- The change in mindset and the connections gained
- Due to the lack of I&E at my college I was very excited about the activities that could get people who are on the fence about participating to jump right in and loosen up. Along with the majority of the sessions, just being able to interact with likeminded people was a great experience.
- Being inspired by the amazing people that are in the program and learning from each and every one of them. Also I loved all of the active presentations and experiences. They made the information real and easy to retain.

How could the University Innovation Fellows Meetup be improved in the future? Please suggest changes or additions to activities, sessions, or topics if appropriate.

## *More industry/expert involvement*

- Maybe connect with industry entrepreneurs more.
- More entrepreneurs visiting during conference
- I would suggest more panelist, Q/A and presentations in which students could talk to the presenters and network.
- It would have been more beneficial if there were more hosts (not only Fredrik) at Google so we all had more of a chance to talk to Googlers and hear their insight/wisdom.
- I think having more special guest would be exciting
- There needs to be more interfaces between elected officials and university administrators. Administrators and lawmakers are primary stakeholders with great power to enact change. In the age of fraying academic freedom and shared governance, faculty and students are limited in what they can accomplish. Inviting administrators (Deans-Presidents) from diverse yet visible colleges and universities to come tell their I&E success stories will help create a sense of camaraderie among the movement. There is an even bigger plus if these entrepreneurial administrators come from well-recognized engineering schools. For example:
  - Michael Crow, President of Arizona St University
  - John Hennessy, President of Stanford University
  - Rafael Reif, President of MIT
  - Bud Peterson, President of Georgia Tech
  - Mary Sue Coleman, President Emeritus of University of Michigan

When fellows return to their campus and tell stakeholders that they spoke to college presidents and administrators, I believe their efforts and ideas will be taken more seriously. I also think a panel of college administrators who could tell fellows about what they need to do to increase buy-in would provide fellows a better understanding of higher education administration.

Likewise, hearing from representatives of the Technology & Innovation division from the White House Office of Science & Technology Policy, U.S. Chamber of Commerce, National Science Foundation, Department of Energy and Department of Defense would heighten the sense of urgency in spreading the movement. I personally believe there is growing and natural alignment between the mission of the University Innovation Fellowship and state/federal government.

Although less exciting, Representatives from the Association of Public and Land-grant Universities will also help fellows understand that many, many college administrators are supportive of student I&E. They only need a will (fellows) to form a way. Connecting fellows to groups like APLU will diminish the "us vs. them" mindset many students hold when it comes to their institutional leadership.

- Jim Woodell, Assistant Vice-President for Technology & Innovation Policy and Chief Staff for the APLU Commission on Innovation, Competitiveness and Economic Prosperity
- Mike Dozier, Past President of the University Economic Development Association
- Possibly a representative from the Association of American Universities

#### More thinking time

- More time for brainstorming
- More time for students to brainstorm about the actual changes they want on campus
- I feel like there should be more time to reflect on the different ideas, projects, and activities we do. There were a lot of times where we were told to create something or come up with ideas but we didn't get to discuss our results with the other groups. I think that would have been great to see what other fellows came up with.
- Possibly a charades game using scenarios relative to entrepreneurs, or a daily idea board for students to exchange their experiences at the end of the day.

## Greater time on application of learning

- I would like to dive deeper into the design thinking process. While it was great to brainstorm many times about our campus challenges, I think it would be extremely valuable to have a design thinking session that isn't about our individual campuses. I think it would be valuable to have students go out and observe behavior on campus or talk about problems in society and work in teams to solve problems. In many of the sessions I was in, I felt that the groups were only ideating about how to increase student engagement on their campuses. I would have liked to see students go through the process and solve a problem outside of the fact that there isn't a makerspace or a good entrepreneurial ecosystem on their campus. Have students discuss and ideate 'use of excessive force in criminal justice', or 'why public bathrooms are so gross', I think this would be valuable.
- I am unsure how this would actually be accomplished, but if there was a small event, almost like a case study, where we could perform these design thinking and creative activities for a certain goal or problem that exists
- I think a session where students state their interests in a specific field or what problems they have encountered would be nice. I found some people who were working on the same things as I but it took a while to find them.
- What was the goal of this Meetup? I didn't see this explicitly stated anywhere. It also wasn't clear from the activities. I'm not alone in thinking this. I've been to several training sessions and leadership workshops with similar activities to these. They are quite effective and thought provoking at the time, but from my experience they don't seem to have a lasting impact. The next day everyone goes back to their busy routines and the learned behaviors begin to fade. If you want the students to truly make a difference, spend more time on developing executable plans and communicating with faculty. Also, let's help the students in the project selection process so they choose reasonable projects with high impact. Is it more important to feel like we are making a difference, or is it more important to actually make a difference?
- More information on how to change policies and procedures in a State school. Also how to work with a small amount of funding to make lasting change.

## Other Ideas

- UIF Round 2! I'd like to see if there's a way to reinforce what we've learned. Now that we've learned so much from UIF Round 1, the idea would be that we come together a year later, have a "speed" recap of the previously learned information, and then dive straight into exercises and cases studies. An idea would be that each school present their projects they determined at the first UIF, and explain their experiences. Was it successful? Did it fail? What are the learning lessons? Maybe a project hit a roadblock? Can we work together to help the project succeed? Maybe other UIF's had similar situations?
- I wanted to have a great time, and I some great moments, but overall, I was overwhelmed with being put in a room of 200 people and I was very very uncomfortable because of sitting on barstools or stairs and standing/walking most of the time. The trip would have been more enjoyable either stretched out over another day, or scaled down for the current duration. It was too much in a short amount of time.
- More pitching/public speaking. I feel like we did a lot of designing/coming up with ideas and prototypes during sessions but we did not get to pitch to the other fellows. Communication/public speaking are important skills and doing that with our ideas would have been fun/a good learning experience.
- The biggest suggestion I have to offer is to avoid overlap between the big Annual Meetup and the regional meetups. I totally agree that there is value in doing design thinking exercises, etc., more than once, and that this was the first time for many, but when our time together is so limited and a large chunk of participants had been at previous regional meetups, it is really disengaging to do things again. Even if the activity remains the same, at least try to switch up the questions and or prompts, or offer options of prompts to choose from, so everyone feels like they can employ their full creative potential anew!
- I think there needs to be more of an emphasis on prototyping and maybe separating sessions based on what phase the campus is in (early ecosystem, later-developed ecosystem, etc.).
- Truthfully, everything at we saw and did at Google was perfect expect for the technical difficulties during Amanda Kelley's presentation. That was unacceptable because not seeing those projects left us

uninspired and disgruntled. Especially because this was near the beginning of this annual meet-up. Activities on Stanford's campus was not as successful. The thing that upsets me most was the Rhythm of Movement exercise. The lady that spoke was not audible and someone in the UIF staff should of recognized this and made alterations in the plans to fix this. One of the big take-aways for a lot of people at this annual meet-up was to prototype or test. Why didn't someone test the sound quality for that speaker in the gymnasium beforehand? During her ending speech she talked for five to ten minutes while we stood there and tried to listen. I barely made out five words and people around me could not understand anything as well. I am sure what she said had value to it but the tone she spoke in was harsh because we couldn't know the content of what she was talking about. If she would of spoke to us in that tone that is forceful and empowering and if we would have understood what she said than it would have been fine. But, honestly, I was offended by being barked at for more about an hour without knowing the content of what was being said. It was a miserable experience. Additionally, some of the tours of campus were not successful because the places we arrived at were locked and we couldn't get inside. The Lean Start-Up presentation by Olga also seemed to lack value. I would have found an experience where we did a crash course in the essential parts of a business plan more valuable.

- Shorten the length of speaker's times.
- A larger tour of Google. We were in one building the entire day, but I feel like there is so much more going on at Google that we did not get to see. Also, a visit to a gift shop or store would have been awesome to buy some Google gear.
- I would have liked to see a little bit more of the Google campus, such as their gift shop.
- I really enjoyed the video we saw a few weeks ago showing the d school projects. I think it would have been really interesting to see something, but I did really enjoy being in that environment and understanding the process better there.
- I think it's fine now

## Less packed agenda

- Perhaps not be so ambitious with the schedule. I was a bit burned out at times.
- More time to interact with other fellows and a little less jam packed with activities
- A bit of downtime between days and activities. It was high-intensity! I would have liked more time to talk with more fellows in person and more casually.
- I understand that the intent was to pack as much into every day as possible, but by Sunday, there was so much information I had absorbed my brain felt full. It was an incredible, but exhausting experience. In the future, I suggest more mingling activities like the game night with the bonfire for meaningful conversations to take place among the fellows.
- Overall, this was fantastic. There were a couple parts, the firepit hangout, the BMC exercise, and some of the teambuilding that I wasn't able to fully get into. That being said, I'm the old fart of the group, so it isn't really surprising. The younger cohort members really loved those parts.
- Everything felt rushed, especially at the d.School. I would have rather had few activities, but gone much more in depth with the activities.

## Scheduling: General

- Don't have the earliest day on the last day please!!! I was so tired and unable to focus on the first panel :(
- It was evident that significant planning had gone into every aspect of the event. For students traveling to the east coast it isn't possible to stay for Sunday. I recommend doing the 'iconic d school photo' on Saturday, as the most students are there that day.
- Somehow make it longer and where I don't have to do make-up work on all of the work I missed back home! Other than that I cannot think of anything.

## Other

- There were very minor annoyances that would be near impossible to avoid with such a large group.
- Could have done a better job with the closing ceremony.

## What will you do (or do differently) as a result of your experience at Google and Stanford... For yourself:

#### Think big/be brave

- I will dream big, and hope in my dreams. I will do my best to be a positive influence in our world. Dream Big, be curious, & always be uncomfortably excited
- Persevere in everything that I do and truly search for what motivates me so that I know whatever I do with my life is what I enjoy doing. Listen actively. Get the most out what I hear around me. Pursue the unknown and learn about what I do not know and try what might scare me
- Act and live with much more confidence that my ideas matter, are important, and more feasible than I can often convince myself.
- Allow myself to imagine big things and plan for big things and be able to cater that to my specific area/users/resources.
- Be uncomfortably excited and willing to take a risk and be weird to help others to feel comfortable to get out of their comfort zone and be creative.
- Inspired to be even more ambitious and entrepreneurial! Also maintain this awesome network.
- Encourage wild ides. I won't limit what I come up with to what I immediately deem as implausible. I will also open up to more people, sharing what UIF represents and why it is such an important mission.
- I will never stop advocating for my peers and myself to have the right and the freedom to pursue passion and knowledge.
- Any and everything I can do to create change within my campus breaking down barriers and building new ones, as well as in my life.

## Different attitude

- Stay empowered and motivated. Force myself to act more
- I will never give up, in any life situation. Thanks to David Navarro.
- I think much differently now! I now look at a lot of problems differently. It's noticeable when I'm in groups how I act in comparison to before.
- Be more positive that I am making a difference and that I can make real progress.
- Think more critically of the impact my actions can have now that I feel empowered.
- Taking a different perspective at ideas, not trying to pick apart every bad part of an idea that we have and just roll with one.
- Be more outgoing, I think that I was shy certain times.
- Value myself more than before

# Working with others in a new way

- Looking and talking to people with a different mindset. The thought that everyone can truly accomplish anything once their eyes have been opened is EXCITING. Networking with students who have similar goals and aspirations will be vital to the success of the movement of which we are all a part.
- I will do my damnedest to inspire. I could have never imagined what an incredible, thought-provoking experience the University Innovation Fellowship would be. I'm awestruck, not by Google and Stanford, but by fellows themselves who have done big things. If I can bring even a fraction of the movement's passion with me for everything I do, I will be happy. This experience has been an eye-opening experience.
- With other students on campus to promote I&E
- Try to be more supportive of others ideas.
- Be more intentional with maintaining connections made.
- I will collaborate more with the fellows I met to get different perspectives. Tap into design thinking more. Network more effectively

# Specific ideas/concepts

• Draw often to express ideas and also us role-playing as a way to test out ideas. That is something I have never done before and I think that would be fun and would provide me with good feedback.

- I'm exploring taking 3-4 classes for a non-degree graduate certificate.
- I will try to think with a entrepreneurial mindset when going through projects; also I will listen in on the
  ideas of others to acknowledge new strategies for introducing innovation and entrepreneurship into the
  community.
- Incorporate design thinking into all aspects of my life. I approached my signal processing homework tonight using design thinking! As I finish my education and continue building my career, I'll continue applying the design thinking mindset instilled at this Meetup.
- Doodle more ideas

#### Fail Fast

- Fail fast
- I will apply design thinking, yes and mentality and a fail fast succeed faster mentality to everyday
  encounters.

## Other

- I hope to implement the tools I learned at Google and Stanford in my own academic standards and my overall way of thinking. I also hope to bring back my enthusiasm from the Meetup about bringing these ideas and new methods to my campus.
- To start a company with outstanding standards or I will work with collaborate with them
- This trip opened my eyes to a world outside of the university. Sometimes I get stuck doing my homework and only thinking about the near future, and I'm glad for the wake up call!
- I wish at Google I was able to interact with more schools in order to get a better understanding of how other fellows are executing campaigns in building that innovation and entrepreneurship environment.
- I have learned to be a better visual learner and I feel that I am part of a movement. I feel like I have a great abundance of resources due to the Meetup.
- Improve how I approach problems
- Integrate design thinking and lean startup into my own initiatives

## What will you do (or do differently) as a result of your experience at Google and Stanford... For your institution:

## Spread awareness

- I will spread ideas of innovation throughout campus.
- Evangelize for the value of design thinking
- Start/plan a new movement to stimulate curriculum changes
- I will encourage interdisciplinary entrepreneurship and innovation and show its value and how fun it is!
- I will help our I&E culture develop as I bring awareness and encourage students to find their potential.
- I will create a group or event that nearly every student (not just engineers) will hear about so that, regardless of final attendance, that many more people can consider innovative design thinking as an option in their own careers.

## Galvanize support

- I will map out my big ideas which I think have great potential to transform the campus and gain the interest of students of all backgrounds. This new infrastructure on campus once implemented will hopefully create a new network between students with like-minded entrepreneurial aspirations.
- Connect and inspire entrepreneurs. Work closely with my team
- Continue to lobby my institution for needed changes.
- Include my institution in the development of my ideas
- I will try to collaborate better with the faculty and staff here at my school
- I hope to take the information from Google and Stanford and educate my campus about the value of I&E in our society today as well as on our campus. I hope to engage my peers and help them understand and actually become excited to participate in I&E opportunities on our campus.

## Implement specific activities

- I'm excited to start workshops and events that promote design thinking, innovation, and entrepreneurship! I am most anxious to see how much interdisciplinary collaboration I can ignite.
- My goal is to create a makerspace on campus where students from all disciplines can work together to solve the world's problems. In addition, I'm working on events and activities to foster Innovation on campus.
- We are trying to take what we learned and completely reinvent our Entrepreneur Society on campus. Institutionally, I look forward to training faculty members as well as students in how to more creatively explore their work and learning/teaching.
- Bring awareness to I&E though teaching students and faculty. Start a design thinking independent study course/seminar for students to get easy hands on experience in the classroom. Bringing a startup weekend to [school] as an introductory experience about the lean start up to students.
- In particular maker space, course changes, and community engagement.
- I am definitely going to be placing more of an emphasis on leadership exercises as well as pushing students to realize their entrepreneurship potential.
- More interactive activities to promote I&E
- I will find loopholes to branding and institutional barriers that stifle creativity.
- I'm looking to use more of my capital to develop the maker space our campus deserves.
- Find out the best practices of schools across the country!
- Bring more people into the UIF mindset to create a stronger force for I&E on campus.
- Foster a community of innovation and creativity by developing situations that engage both professor and student working together on projects outside of normal lecture settings.

## Change culture

- Create an everlasting strong entrepreneurial ecosystem
- Replicate a similar environment
- Change the culture by adding resources for innovation & entrepreneurship
- Trying to change the mentality of just going to school to try and get a job.
- Continue to work hard at changing my institution so students don't just go through the motions of being a student and then end up behind a cubicle at some corporate office. I want people to think creatively to help solve the issues our world is facing. Especially, environmental issues.
- Work on creating an environment and a culture of fun, creative projects and opportunities to develop their ideas.

## Other

- My institution needs to improve its willingness to finance and foster innovation on campus.
- Continue efforts with new passion, new collaborators, new strategies, and again, new confidence. I am no longer intimidated by taking the first concrete steps into prototyping a virtual platform with my UIF teammates.
- After making connections with several key faculty members during the canvas landscape session, I
  realized that I have amazing support behind me. They will make the process easier to kick-start and once I
  have gone will be able to keep it rolling.
- I believe that I really can change things on campus, I'm not doing it alone!
- Founded before the U.S. Constitution was ratified, [school] is steeped in tradition which can be a blessing and a challenge. I want to see [school] set an example for large, public flagship research universities cultivating a culture of innovation and entrepreneurship. Thanks [UIF] and our university leadership, I'm confident that [school] is well positioned to be a model for innovation in higher education. I graduate in less than four months, but I will stay involved for as long as I can manage. I'm forever grateful for the inspiration the University Innovation Fellows have gifted to me, my Leadership circle and the [school]
- Be more aggressive in pursuing projects.