HCI - Course Wrap Up

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April 29, 2013
Slides available at: http://www.eecs.tufts.edu/~mshah08
Duration: 30 minutes or less!
What have we achieved

- Researched software and hardware
- Proposed a design
- Made sketches and storyboards
- Made a paper prototype
- Made a few basic prototypes
- Run user tests and analyzed results
- Redesigned based on results
- Tested again
- Looked into the future
So what now...

- The semester is over...delete that pesky project once grades are received.
- Some options
  - Go to sleep
  - Play in the sun
  - Relax
WRONG!

- One of the most valuable courses you'll take
- Rarely will you have courses that emphasize the design process
Choose 1 of 2 options

1.) Commercialize it
2.) Publish a paper
3.) Open source it
Build a Commercial Product
Making a Commercial Product

● What truly makes your product innovative?
  ○ Are there a hundred other applications like yours?
  ○ Why is yours different, or does the market need another application like your?

● Is your application in some way disruptive?
  ○ See next slide

● An exercise
  ○ Could your application run on Google Glass?
(Potential) Disruptive Market

- **Apps for Cats Competition**
  - Iggy on iPad
- But this course was Human-Computer Interaction
  - My apologizes we did not cover Cat-Computer Interactions
Recruiting Help - Your Partners in Crime

- Your classmates, people in different departments
- Send an e-mail out to HCI classes at Tufts, MIT, Harvard, BU, NU, Brandeis, etc.
- Just Ask!
Some people's work you should research

- Jony Ive
- Bret Victor
  - (Show Video) link
  - Discuss on Future Interaction
    - Share your papers
- Full list of great innovators
Some Tools you should look at

- Microsoft Kinect
  - Kinect SDK
- Leap Motion
  - (Show video) http://www.leapmotion.com
Some resources to look at on your own time

- Publishing to Android Devices
- Publishing to iOS
- Tufts Entrepreneurs Society
Publish a Research Paper

http://pdos.csail.mit.edu/scigen/
Getting Inspiration

- Read more research papers like you have done for assignment 9
- Read papers from within the last 5 years
  - If you really like a paper
    - Then start reading it's references to learn where they got the ideas from
    - Then also read all of the papers that are citing the paper you like, to learn what is currently being done
Develop

• Follow the Scientific Method
  ○ Make some claim or hypothesis
  ○ Perform experiments (assignments 2-8 in this class)
  ○ Record your results
  ○ Write the paper!
Find a relevant venue to share your work

- Conferences you can publish at
  - SIG CHI
  - User Interface and Software Technology
  - More conferences
    - Find Relevant Conferences
    - Find Conferences that are peer-reviewed
Open Source

Open source is good for me. I will fully embrace it.
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A few things you can do

- Put your project on
  - Github
  - Sourceforge
- Put your project files on your CS website
  - How to setup your CS website
- Even if you do not want to work on your project, give others the chance too.
Future Studies in HCI
Coursework and Books

- **Free Online Courses:** [https://www.coursera.org/course/hci](https://www.coursera.org/course/hci)
  - [https://www.coursera.org/courses?cats=infotech](https://www.coursera.org/courses?cats=infotech)
- **Top HCI Books:** [http://hci.rwth-aachen.de/HCIBooks](http://hci.rwth-aachen.de/HCIBooks)
- **Tufts Courses:**
  - [Visualization](https://www.coursera.org/course/hci) (Comp 150VIZ)
  - [Graphics](https://www.coursera.org/course/hci) (Comp 175)
  - Fall 150 - Learning Technology Design taught by [Professor Shapiro](https://www.coursera.org/course/hci)
  - Fall 250 Seminar Course taught by [Professor Jacob](https://www.coursera.org/course/hci)
General Advice for later courses

- Go to office hours
- If you're graduating this semester....
Congratulations!

- Share your plans!
Lingering Questions and Open Discussion

Talk to me, I'm all ears!
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