

UC Berkeley Course Threads

Human-Centered Design

Emily Pedersen
4.30.18

Hello!

I am Emily Pedersen

BA in CompSci & BA in CogSci

Expected Spring 2018 from UC Berkeley

MS in CompSci (HCI)

Expected Spring 2019 from UC Berkeley



Agenda

- Human-Centered Design Courses
- “Aha” Moments
- Future Plans



Courses

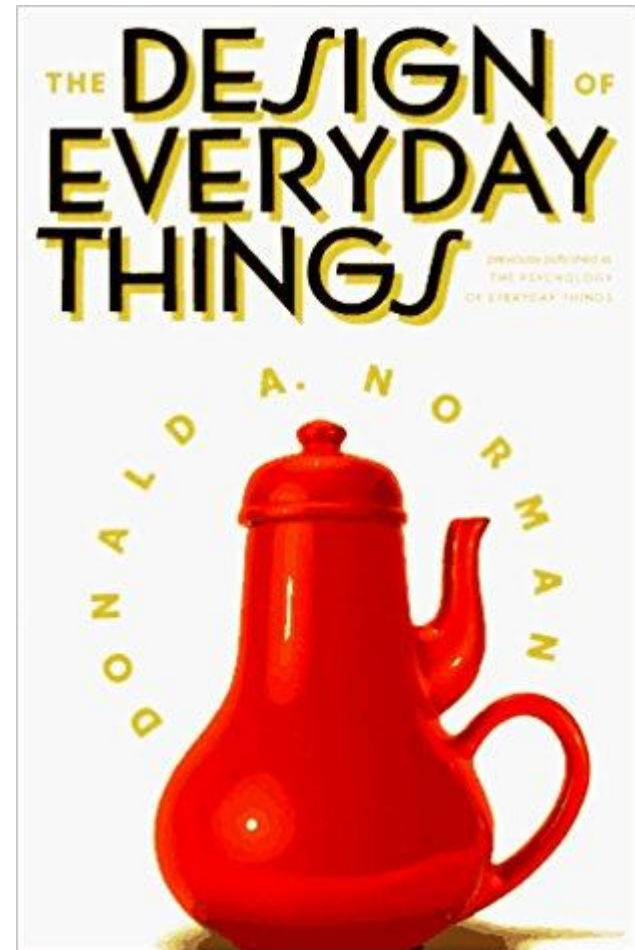
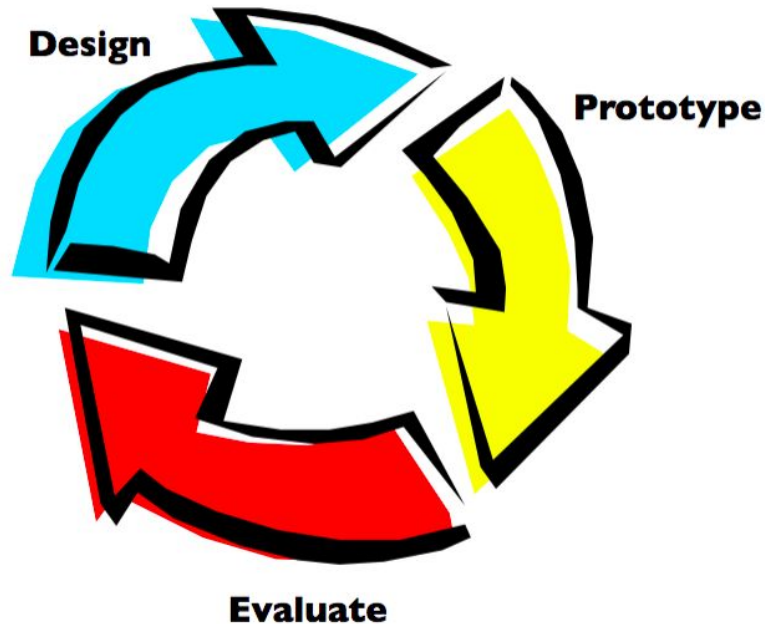
Human-Centered Design Courses

Courses

- Info190: Data Visualization - Fall 2017
- CS160: UI Design & Development - Spring 2017
- IEOR191: Tech Entrepreneurship - Spring 2017
- CS188: Intro to AI - Fall 2016
- CS10: Beauty & Joy of Computing - Fall 2014

CS160 and Info190 were my design “Aha” moments!

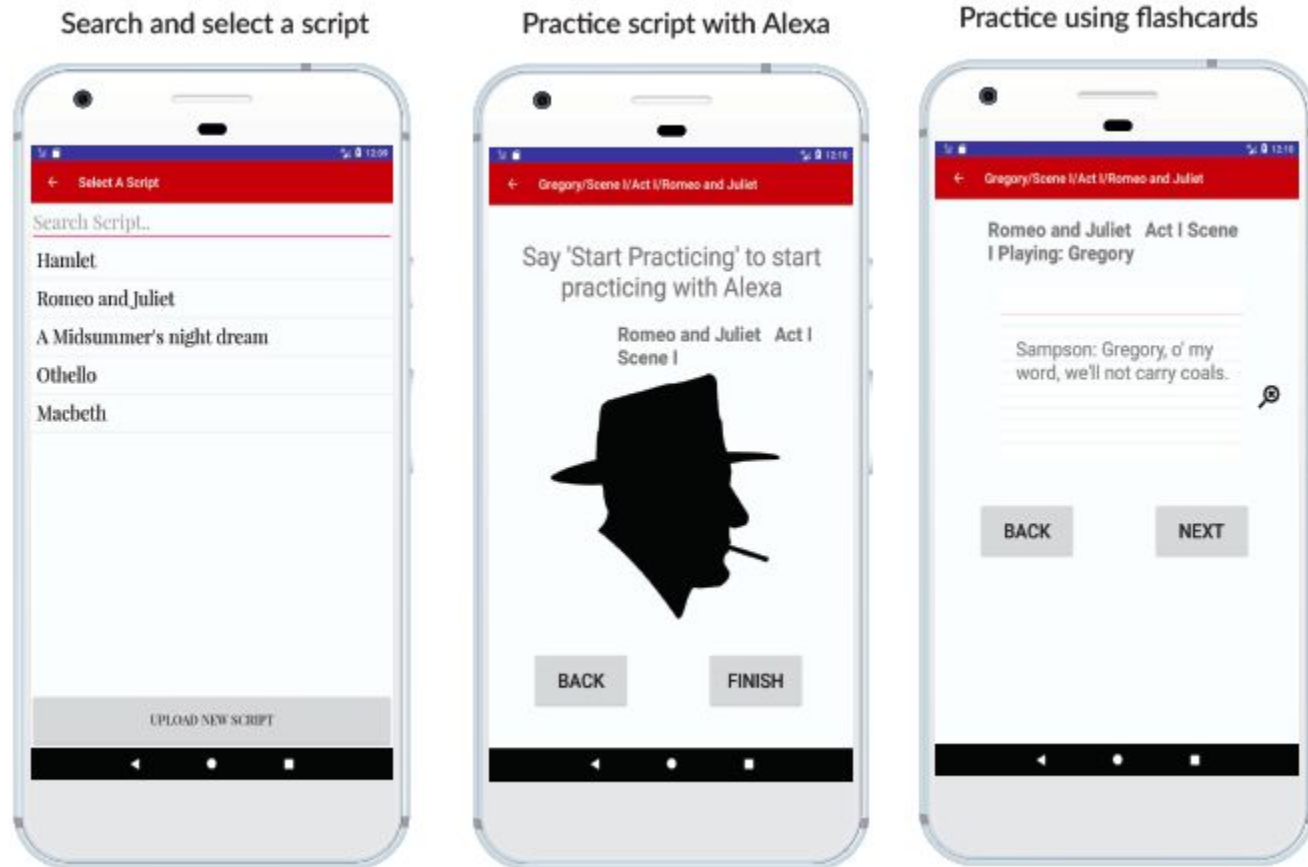
CS160 “Aha” Moments (1)



CS160 “Aha” Moments (2)



CS160 Final Project: Acting Bud



Info190 “Aha” Moments

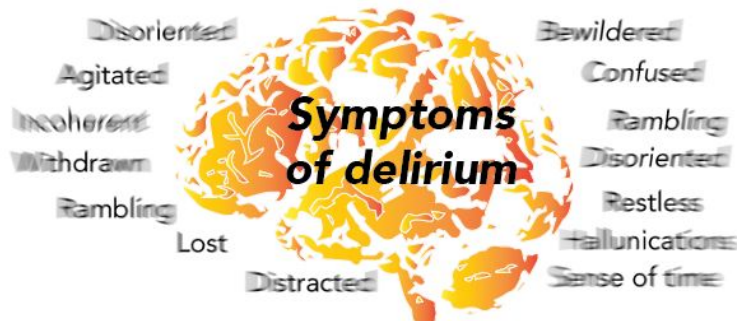
Visualization - The visual representation of information to:

- Aid understanding
- Explain and explore
- To reinforce cognition

A data visualization should tell a story.

Info190 Projects

What is Delirium?



Delirium
[dih-lee-ee-uh m]
noun

A state of mental confusion that develops quickly and fluctuates in intensity

Main four causes of delirium



Metabolic disorders, such as kidney failures account for **40%**



Toxic chemicals, such as drug intoxication account for **30%**



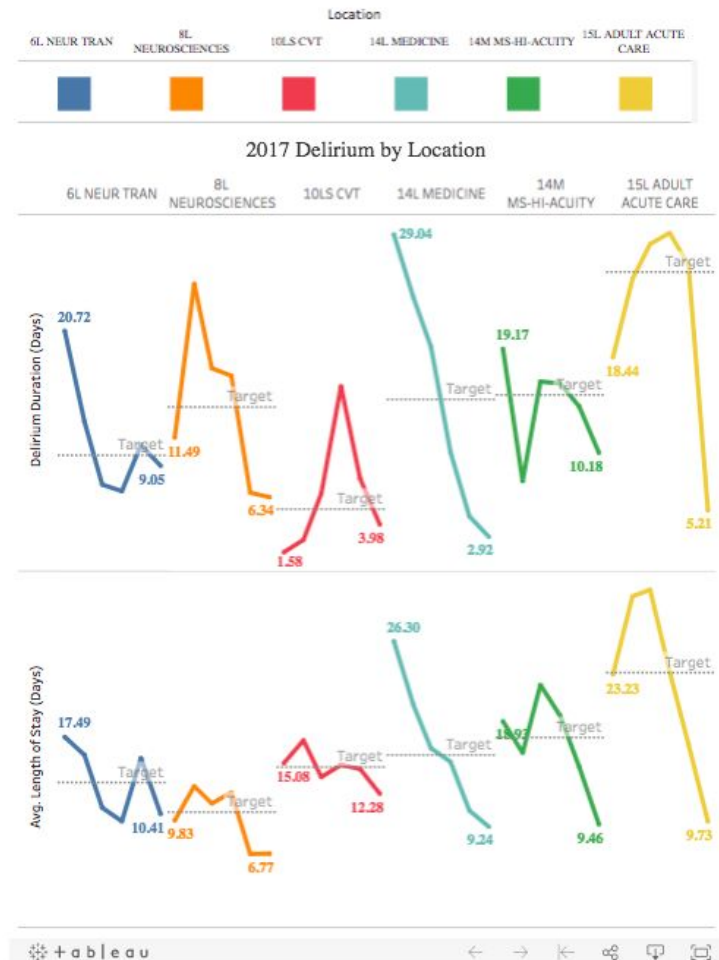
Structural causes, such as oxygen deprivation from brain surgery account for roughly **20%**



Infections or fever, specifically to the brain, account for roughly **10%**

Sources: thenounproject clipartool minddisorders.com

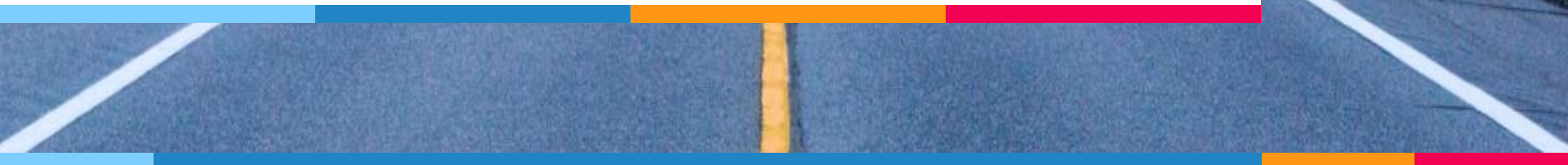
Emily Pedersen





Future Plans

My plans in Human-Centered Design



Future Plans

As a **Computer Science Masters HCI student at UC Berkeley**, I hope to:

- Take graduate-level courses from dept of CS, School of Information, IEOR, and Haas
- Continue to TA for CS160
- Continue my research with Professor Marti Hearst on text information visualization

*“Design creates stories,
and stories create memorable
experiences,
and great experiences have this innate
ability to change the way in which we
view our world.”*

Christian Saylor

Thanks!

Any questions?

You can email me at
epedersen@berkeley.edu

Website: emilypedersen.me