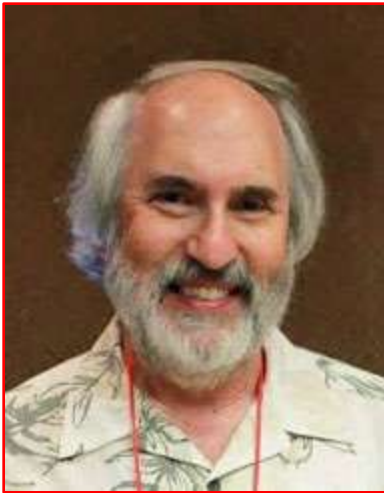


January 19, 2016

ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS

Instructor

Questions or Concerns?



Team Projects

- Work with diligence
- Reimburse first \$200 of projects expenses
- No transportation
- Keep receipts, turn in at end of quarter
- Paperwork submitted for those who have not already purchased a Shop Pass – processing should be completed by the end of the day, confirmed by an email



Miscellany



- Drivers for Field Trips
 - Verify how many students you can accommodate
 - Don't include yourself





Challenge

Kickoff Event for \$100,000 Startup Competition

- Networking / information for students interested in entrepreneurship
- Ben Silbermann & Eric Feng
- Thursday, Jan 21st – 5:30 – 8:30pm
- Munger - Paul Brest Hall
- RSVP at bit.ly/ChallengeKickoff
- [Website](#)



MLK



How might the teachings of Dr Martin Luther King Jr. relate to people with disabilities?

“I have a dream that **my four little children** will one day live in a nation where they will **not be judged by the color of their skin** but by the **content of their character.**”



What Matters?

- Black lives matter

What Matters?

- Black lives matter
- Everyone's lives matter

What Matters?

- Black lives matter
- Everyone's lives matter
- The lives of persons with disabilities matter
- The lives of older adults matter
 - Everyone has something to contribute



Pre-lecture Discussions

1. 24 - Ethical / Moral Dilemmas Related to Disability
2. 22 - Assistive Robotics
3. 20 - In the News
4. 18 - Vintage Assistive Technology
5. 17 - Ten Commandments of Making
6. 12 - Assistive Technology Device Review
7. 7 - The Upside of Failure
7. 7 - Who is Disabled?
9. 6 - Suffering
10. 5 - More on the Design Development Process
11. 3 - Video Theatre

Ethical / Moral Dilemmas Related to Disability

formally titled
“Fun with Ethics”



Making Decisions



1. Everyone evaluates situations and makes decisions everyday
2. As one gets older, these decisions more frequently involve and affect others
3. Tough decisions are often made using a complex combination of upbringing, economics, religion, law, individual notion of what is right, politics, and personal experience

Situation 1

Would it be wrong for a “normal” couple to abort a fetus diagnosed with dwarfism or Down Syndrome?



Situation 2

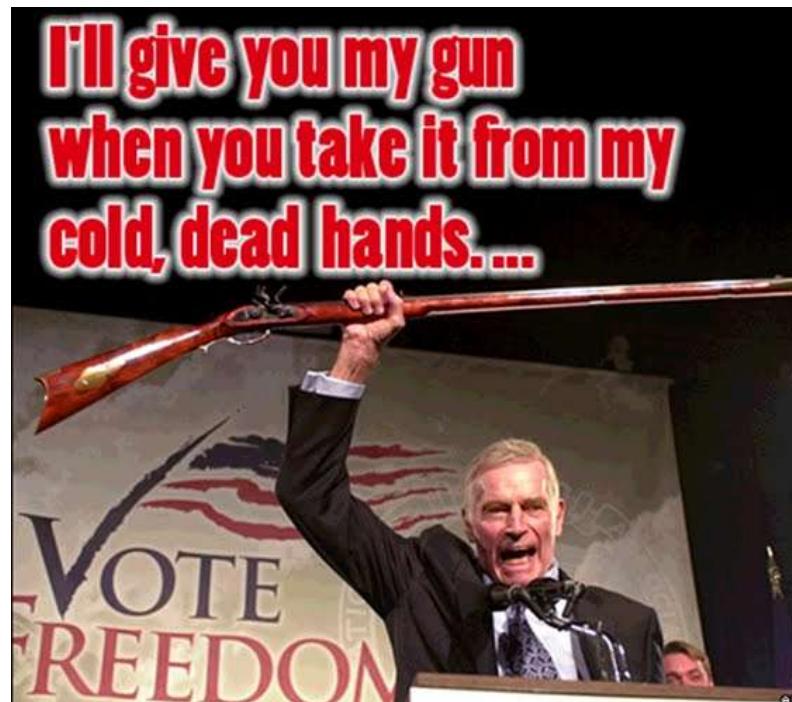
If two parents with Achondroplasia – an inherited form of dwarfism – wanted a child who looked like them, would it be wrong for them to terminate a normal-sized fetus?



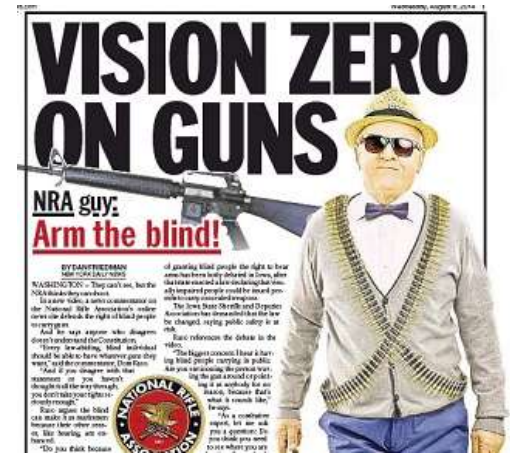
Too Much Information – MIT Technology Review –
Jan/Feb 2014 – page 72 - [Link](#)

Situation 3

Should everyone have a right to bear arms?



Situation 4



Should someone who is blind have a right to bear arms?



Situation 5



You are a biomedical engineer in a spinal cord injury ward. An occupational therapist approaches you with a patient's request. The patient, an individual with quadriplegia, wants a device that would enable him to independently smoke a cigarette.

What do you do?



Situation 6

You are a sign language interpreter for a deaf woman. Her communication includes a lot of obscenities which causes you a lot of embarrassment and distress.

What do you do?



Situation 7

As a surgeon, would you approve a heart transplant for a child with a disability?



Situation 8

As a concerned citizen, would you condone the marriage and subsequent parenthood of a couple, one or both with developmental disabilities?



Thursday, January 21st



Gary M. Berke, MS, CP, FAAOP

Issues in Human Interface Design

Today



Edan Alexander Armas, Kartik Sawhney,
Dan Berschinski, Jacob Gowan, Zina
Jawadi

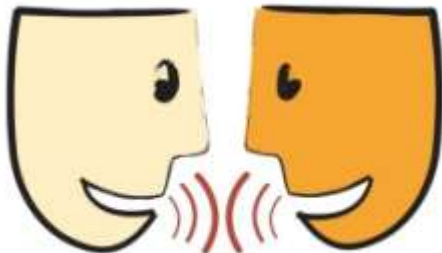
**Perspectives of Stanford Students
with a Disability**



Break Activities



- Sign attendance sheet
- Grab a cookie
- Stand up and stretch
- Take a bio-break
- Text message, web-surf, email
- Talk with classmates
- Reflect on what was presented in class



Today



Edan Alexander Armas, Kartik Sawhney,
Dan Berschinski, Jacob Gowan, Zina
Jawadi

**Perspectives of Stanford Students
with a Disability**



Edan Alexander Armas



Kartik Sawhney



Dan Berschinski



Jacob Gowan



Zina Jawadi

Short Break



Laptops Galore

