

# CSc 110, Spring 2018

## Lecture 41: Goodbye, world!



Is that a good thing or a bad thing?

WHEN A USER TAKES A PHOTO,  
THE APP SHOULD CHECK WHETHER  
THEY'RE IN A NATIONAL PARK...

SURE, EASY GIS LOOKUP.  
GIMME A FEW HOURS.

... AND CHECK WHETHER  
THE PHOTO IS OF A BIRD.

I'LL NEED A RESEARCH  
TEAM AND FIVE YEARS.



IN CS, IT CAN BE HARD TO EXPLAIN  
THE DIFFERENCE BETWEEN THE EASY  
AND THE VIRTUALLY IMPOSSIBLE.

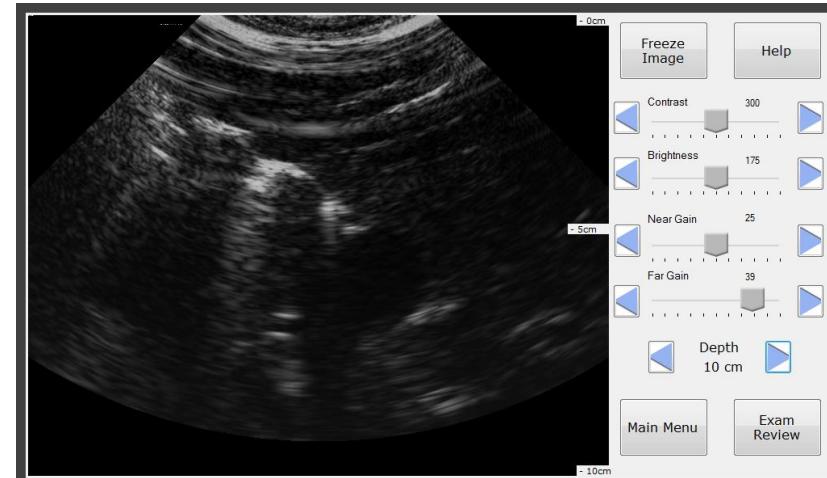
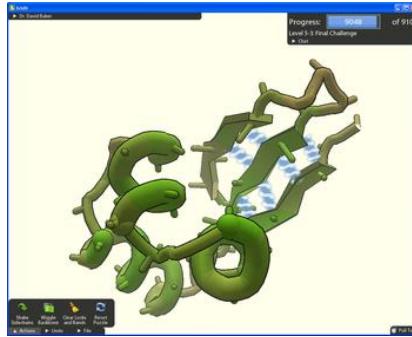
# Beyond programming

- Mind-controlled robots
  - <http://www.youtube.com/watch?v=TQ7EOpPNQyw>
- Muscle-controlled interfaces
  - <http://www.youtube.com/watch?v=pktVSTwC8qo>
- 3D models from pictures
  - <http://www.youtube.com/watch?v=25Yifq70eIY>
- Face aging
  - <http://www.youtube.com/watch?v=fLQtssJDMMC>
- Animation
  - <http://www.youtube.com/watch?v=b4kkPlLdMvI>
- Security
  - <http://www.pbs.org/wgbh/nova/tech/tadayoshi-kohno.html>

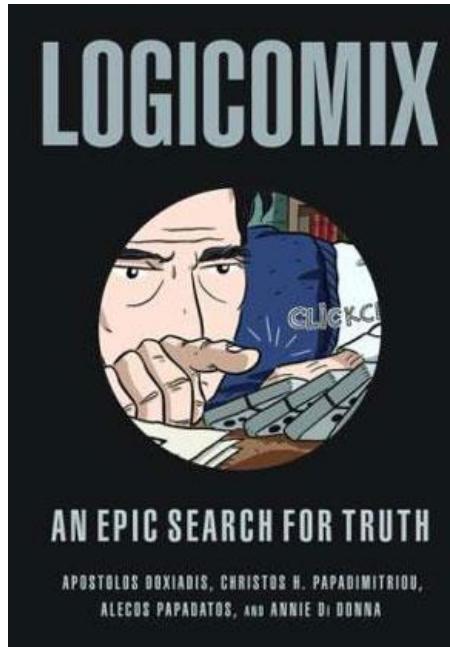


# Computing for good

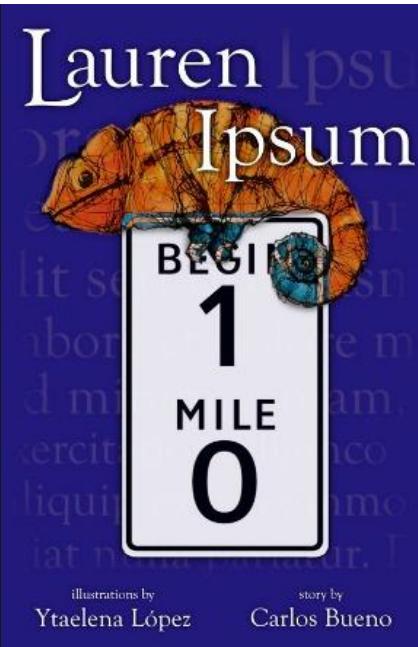
- [Foldit](#)
- [Open Data Kit](#)
- [Mobile Midwives' Ultrasound](#)
- [MobileASL](#)
- [Tactile Graphics](#)



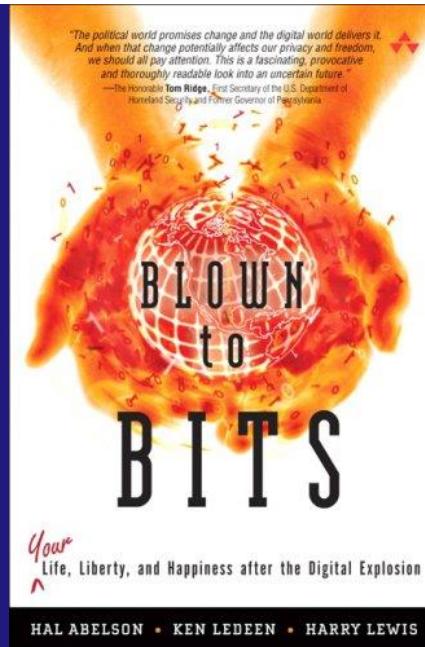
# Explore Big Ideas



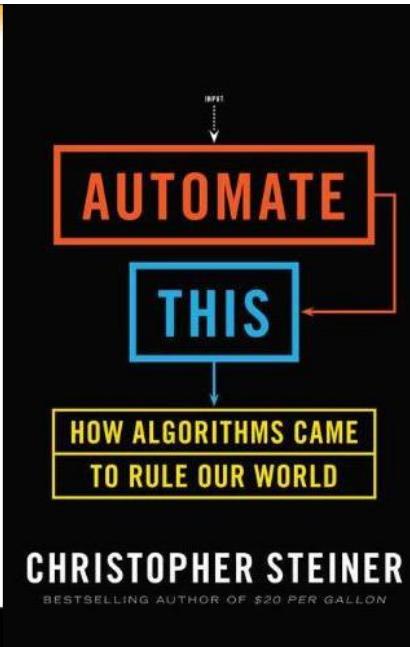
Historical context



Key algorithms



Privacy



Automate all the things

# Take CSC 337!

## CSC 337 = Web Programming

- prerequisite: CSC 110
- learn how to make web sites

