

# MELANIE CEBULA

## education

University of California, Berkeley 2016  
3.76 GPA B.A. Computer Science

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## experience



Facebook, Intern

8-week program for rising sophomores  
iOS training, mobile development team



University of California, Berkeley  
CS61A Reader

## leadership

Hackers@Berkeley officer; Workshops team

## skills and technologies

Python, Javascript, Objective-C, Java, Scheme, iOS, Git, node.js, mongoDB, CSS, HTML

## select projects

**A Pyramid Scheme:** Built a Scheme interpreter in Python, added 3d graphics functionality to python turtle graphic module using perspective projection and other cool maths. Recreated Sierpinski's Triangles in 3d, written entirely in Scheme. 1st place CS61A Scheme Art Contest-Heavyweight division

**Geo.ly:** Real-time navigation app to find your friends using HTML5 geolocation and Google Maps API. A compass directs you to your friend's location, while the map updates to show your locations relative to each other.

**Boxel:** Open source contribution to voxel.js, a voxel game (read: minecraft clone) built with full-stack javascript in the browser. Implemented a Capture the Flag game for the multiplayer server, specifically handling the team and game logic.

**Rate My Cat:** Built a website where users can submit (cat) pictures and view cat pictures. Cat pictures ranked by most views. Built using Flask (Python Microframework), and mongoDB for the database. Won 'Learned the Most' prize at Hackjam 2013.