Oliver O'Donnell

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Profile
Computer scientist with strong interest in business management.
Loves finding creative solutions to important problems.

Education
University of California, Berkeley **Fall 2013 - 2017**
Computer Science (intended), Sophomore, 3.39 GPA
University of New South Wales (UNSW) **Spring 2013**
Studied International Commerce before transfer to Berkeley

Relevant
Courses
- Structure and Interpretation of Computer Programs
- Data Structures and Advanced Programming
- Business and Economic Statistics
- Accounting and Financial Management

Online
Projects
You'll find many of my non-academic projects on my website: **ollie-odonnell.com**
Annot8
- Project won the design prize at 2014 Evernote Hackathon.
- Makes time-correlated notes to keep track of recordings.
Connect Four
- Minimax AI ported to JavaScript for the web.
- Personal project for my first CS class.
SMA Web Replacement
- Modernizing web presence of seven student groups and their
parent company.

Experience
Founder, PACKD **Fall 2014 - Present**
- Coordinating team to develop mobile app that uses crowd-sourced location data to determine crowdedness of various locations on campus.
- Go to packdberkeley.appspot.com to see the first release.
Academic Caseworker, ASUC Student Advocate's Office **Fall 2013 - Present**
- Help individual clients solve disputes.
- Advocate for policy improvements to protect students.
- Recently approved for $50,000 in funding for health policy change.
Teaching Assistant in Training, CS10 **Spring 2014 - Fall 2014**
- Taught complex Computer Science ideas such as algorithmic complexity and tree recursion to students new to the field.
Banking Consolidation Work Group, UC Berkeley **Fall 2013**
- Identified acceptable marketing assets and assessing student impact of $1.8b consolidation of banking across departments.

Skills
Java: Built database from scratch. Implemented efficient pathfinding algorithm with Dijkstra/A*.
Python: Text parsing for tweets, mapping positive/negative sentiment to location. Experienced with Python OOP.
Git: Used to collaborate on PACKD. Individual projects on Dropbox.
Web Dev: Bootstrap. Some Flask. JavaScript. JQuery.
Other Programming: Alpha-beta pruning. Runtime analysis. Scheme. Logic.