Oliver O'Donnell

ollie-odonnell.com // oliver.o@berkeley.edu // 510 926 7380

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

Education

University of California, Berkeley	Aug. 2013 - May. 2017

- 3.39 GPA, Computer Science Scholar
- Current coursework includes Machine Architecture (C), Discrete Mathematics and Probability Theory
- Completed coursework includes Data Structures and Advanced Programming (Java), Structure and Interpretation of Computer Programs (Python), Business and Economic Statistics, Accounting and Financial Management.

University of New South Wales (UNSW)	Feb. 2013 - July. 2013

- Studied International Commerce before transfer to UC Berkeley

Experience

PACKD (packd.org)	Sept. 2014 - Present

Lead Front End Developer
- Coordinated team to develop mobile app to help students optimize their workouts by predicting Recreational Sports Facility crowdedness.
- Used Python and Java to analyze statistical data, as well as the Facebook API, Graph.js, and JQuery for the UI.

ASUC Student Advocate's Office	Aug. 2013 - Present

Academic Caseworker and Website Manager
- Helped individual clients solve disputes, while also advocating for policy improvements to protect students.
- Recently approved for $50,000 in funding for health policy change.

Computer Science 10: The Beauty and Joy of Computing	Jan. 2014 - Dec. 2014

Teaching Assistant in Training
- Taught concepts such as tree recursion and higher-functions in Labs and Discussions.

Banking Consolidation Work Group, UC Berkeley	Jan. 2014 - Present

- Identified acceptable marketing assets and 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. Google App Engine and Firebase.
Other Programming: Alpha-beta pruning. Runtime analysis. Scheme. Logic.

Projects Available Online

Annot8 (ollie-odonnell.com/Evernote)
- Won the design prize at 2014 Evernote Hackathon, making time-correlated notes with audio recordings.

Knight's Tour (ollie-odonnell.com/Knightour)
- Linear time solution to the classic graph theory puzzle. Pleasing visualization, too!

Connect Four (ollie-odonnell.com/ConnectFour)
- Minimax AI ported to JavaScript for the web in my personal project for my first CS class.