

Oliver O'Donnell

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

Education

University of California, Berkeley

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

Aug. 2013 -
May. 2017

University of New South Wales (UNSW)

- Studied International Commerce before transfer to UC Berkeley

Feb. 2013 -
July. 2013

Experience

Biztera

Software Engineering Intern

- Completed meaningful front and back-end improvements to product built on a MEAN stack with Node.js, Angular.js, MongoDB, and Express implementing RESTful API.
- Gained fluency with team workflow including Slack, Trello, Github, CircleCI, and Bower.
- Integrated with Slack and Jira
- Implemented the ability to archive approval requests

May 2015 -
Present

Packd (packd.org)

Lead Front End Developer

- Coordinated team to develop hardware application to help students optimize their workouts by predicting Recreational Sports Facility crowdedness.
- Used Python deployed remotely on Raspberry Pis to feed RESTful API in Django backend for Web, Android, and iOS applications.

Sept. 2014
- Present

ASUC Student Advocate's Office

Academic Caseworker and Web Administrator

- 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.

Aug. 2013 -
Present

Computer Science 10

Teaching Assistant in Training

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

Jan. 2014 -
Dec. 2014

Skills

Java: Built database from scratch. Implemented efficient pathfinding algorithm with Dijkstra/A*.

Python: Text parsing for tweets, SciPy, Lots of NumPy, panorama stitching, Delaunay triangulation.

C: Local version control system, machine learning, performance optimization, vectorization.

Other Programming: Alpha-beta pruning. Runtime analysis. Scheme. Logic.

Team Workflow: Slack, Trello, Git, CircleCI, Bower, Quality Assurance, style guides and linters.

Web Technologies: Django, MEAN stack, Node.js, Angular.js, MongoDB, Express, RESTful API, Bootstrap. Some Flask. JavaScript. JQuery. Google App Engine, AWS, and Firebase.

View projects at ollie-odonnell.com/#projects