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
- 3.34 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.

May 2015 - Present

PACKD (packd.org)
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.

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: The Beauty and Joy of Computing
Teaching Assistant in Training
- Taught concepts such as tree recursion and higher-functions in Labs and Discussions.

Jan. 2014 - Dec. 2014

Banking Consolidation Work Group, UC Berkeley
- Identified acceptable marketing assets and student impact of $1.8b consolidation of banking across departments.

Jan. 2014 - Present

Skills

Java: Built database from scratch. Implemented efficient pathfinding algorithm with Dijkstra/A*.
Python: Text parsing for tweets, mapping positive/negative sentiment to location. Python OOP.
Other Programming: Alpha-beta pruning. Runtime analysis. Scheme. Logic.
Team Workflow: Slack, Trello, Git, CircleCI, Bower, Quality Assurance, style guides and linters.
Web Technologies: 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**