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	Aug. 2013 - May. 2017
• 3.38 GPA, Computer Science Scholar	
• Completed coursework includes <u>Machine Architecture</u> (C), <u>Data Structures and Advanced Programming</u> (Java), <u>Structure and Interpretation of Computer Programs</u> (Python), <u>Business and Economic Statistics</u>, <u>Accounting and Financial Management</u>.	
University of New South Wales (UNSW)	Feb. 2013 - July. 2013
• Studied International Commerce before transfer to UC Berkeley	

Experience

Biztera	May 2015 - Present
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	
Packd (packd.org)	Sept. 2014 - Present
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.	
ASUC Student Advocate's Office	Aug. 2013 - Present
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.	
Computer Science 10	Jan. 2014 - Dec. 2014
Teaching Assistant in Training	
• Taught concepts such as tree recursion and higher-functions in Labs and Discussions.	

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: 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**