

ZACHARY LIOU

UC San Diego June 2018
B.S. Math: Computer Science
GPA: 3.43

CONNECT

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510-585-7592

SKILLS

LANGUAGES (Experienced):

JavaScript, Java, C++, C,
Python, HTML/CSS

LANGUAGES (Familiar):

PHP, SQL, Haskell, Ruby, SPARC,
MATLAB

FRAMEWORKS:

Polymer, AngularJS, Node.js,
Express.js, Bootstrap, Ionic,
React Native, JQuery, Symfony,
Twig, Android, Django, Rails

TOOLS & MISC:

Git, AWS, Ansible, Jenkins,
Vagrant, UNIX, nginx, Firebase,
Redux, Jupyter, Vim, GIMP, Jest,
project management, data
structures & algorithms, group &
ring & field theory, probability

AFFILIATIONS

Tau Beta Pi
Phi Delta Theta
Gordon Scholars

EXPERIENCE

Software Engineering Intern @ Google (YouTube)

June 2017 - Sept 2017

Utilized: JavaScript, Polymer, Jasmine, Python, Protocol Buffers

Revamped YouTube's video review queue management system with emphasis on infrastructure maintainability and code health. Conducted user interviews to gain insights into boosting admin productivity.

Software Engineering Intern @ Track Revenue

June 2016 - Sept 2016, Dec 2016 - Jan 2017

Utilized: JavaScript, PHP, AngularJS, AWS, Ansible, Symfony, Jenkins

Engineered a framework for automating backups of AWS EBS Instances, with integration into Jenkins, reducing annual overhead by approximately \$60,000. Built a bot detection system that increased meaningful traffic and ad revenue.

Co-Founder @ Egge

May 2015 - June 2017

Utilized: React, Redux, Firebase, AngularJS, Node.js, Express.js, SQLite, Ionic

Co-founder, CTO, and full-stack developer at Egge. Accelerated at the Basement at UC San Diego. Managed and mentored a team of software engineers and business development interns. Participated in conferences and showcases, including the Startup Grind Global Conference, attracting the attention of angel/VC investors and potential clients.

PROJECTS

Curvature May 2016 - Present

Utilized: Python, Django

Django app that combines stock market data, Twitter sentiment analysis, Azure machine learning, and other APIs to find financial market trends.

Cooki March 2016 - June 2016

Utilized: Java, Android, GIMP

Managed deadlines for a team of classmates in the nine-week delivery of a meal-planning Android app. Emphasized a time-saving user experience.

Personal Website zachliou.com

OTHER EXPERIENCE

VP Projects & Technology @ Triton Software Engineering

May 2017 - Present

Managing and mentoring project managers and developers in misc. software development projects for San Diego non-profit organizations.

Secretary @ Phi Delta Theta at UC San Diego

April 2016 - March 2017

Created simple scripts to answer questions simple to computers but time-consuming for humans, dramatically reducing personal workload; e.g. "given a roster and unsorted attendance list, who isn't here?"