

ZACHARY LIOU

UC San Diego c/o 2018
Mathematics: Computer Science
GPA: 3.613

CONNECT

(510) 585-7592
zliou@ucsd.edu
zliou.github.io/zachliou
linkedin.com/in/zachliou

PROFILE

Motivated and quick-learning
junior-standing undergraduate seeking a
software engineering internship,
particularly for mentorship, and
opportunities to work on projects aimed
at creating social good.

SKILLS

LANGUAGES (EXPERIENCED):

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

LANGUAGES (FAMILIAR):

Python, Ruby, PHP, SQL, SPARC, MATLAB

FRAMEWORKS:

AngularJS, Node.js, Express.js, JQuery,
Ionic, Symfony, Twig, Android, Django,
Rails

SKILLS & TOOLS:

Vim, Git, Vagrant, UNIX, PhpStorm, GIMP,
project team management, data
structures & algorithms

AFFILIATIONS

Tau Beta Pi - Engineering Honor Society
Phi Delta Theta - Social Fraternity

EXPERIENCE

SOFTWARE ENGINEER @ TRACK REVENUE

June 2016 - Sept 2016

Utilized: JavaScript, PHP, AngularJS, Symfony, Twig, Vagrant

- Created a detector that systematically distinguishes mobile devices from emulators by using physical device properties and thinking outside the box, resulting in increased click conversion rates through reduced bot traffic.
- Created a modular landing website for an international marketing team by implementing decoupled website-generating modules, saving hours of labor
- Debugged an ad server's statistic services, allowing for the deployment of the device detector on a ~\$30k advertising campaign

PROJECT TEAM LEAD @ EGGE

May 2015 - Present

Utilized: AngularJS, Node.js, Express.js, SQLite, Ionic, Git, misc.
leadership/project management

- Founding full-stack developer creating Egge
- Managed a team of software engineers and marketing interns through deadlines and product delivery, attracting the attention of angel/VC investors
- Designing a instantaneous and streamlined user experience

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 data trends

COOKI March 2016 - June 2016

Utilized: Java, Android, GIMP

- Co-lead a team in developing a meal-planning Android app
- Designed a streamlined user experience, allowing users to plan weeklong meal plans with a minimal amount of clicks

PERSONAL WEBSITE

July 2015 - August 2015, and ongoing

Utilized: HTML/CSS, JavaScript, Git, GitHub

- zliou.github.io/zachliou
- Experimented with UX, UI design, HTML/CSS, and animations
- Created a gallery for graphic design work

OTHER EXPERIENCE

SECRETARY @ PHI DELTA THETA at UC SAN DIEGO

April 2016 - Present

Utilized: Python, Javascript, HTML/CSS, GIMP

- Responsible for record-keeping and information flow among 80+ members
- Created simple scripts to answer questions simple to computers but time-consuming for humans, dramatically reducing my personal workload; e.g. "given a roster and unsorted attendance list, who isn't here?"
- Created marketing campaigns and materials for member recruitment