ZACHARY LIOU

UC San Diego 2018
B.S. Math: Computer Science
GPA: 3.613

CONNECT

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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

TOOLS & MISC:

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

AFFILIATIONS

Tau Beta Pi
Phi Delta Theta

EXPERIENCE

Software Engineering Intern @ Track Revenue
June 2016 - Sept 2016, Dec 2016 - Jan 2017
Utilized: JavaScript, PHP, AngularJS, Ansible, Symfony

- 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
- Developed an easily customizable website, which the sales team utilized in personalized marketing for each potential client
- Integrated a notification system into the user interface that cleared visual clutter and allowed users to easily track their service usage

Co-Founder @ Egge
May 2015 - Present
Utilized: AngularJS, Node.js, Express.js, SQLite, Ionic

- Co-founder and full-stack developer at Egge
- Currently being accelerated at the Basement at UC San Diego
- Managing a team of software engineers and business development interns, through synchronized technical and business deadlines and milestones
- Enhancing user experience by focusing on streamlined and responsive design
- Participating in conferences and showcases, including the Startup Grind Global Conference, attracting the attention of angel/VC investors and potential clients
- Liased with innovation offices of government agencies

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
- Designed a time-saving 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**
- Utilized 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 personal workload; e.g. "given a roster and unsorted attendance list, who isn't here?"
- Created marketing campaigns and materials for member recruitment