ZACHARY LIOU

zliou@ucsd.edu   (510) 585-7592   linkedin.com/in/zachliou   **GPA: 3.71**

UC SAN DIEGO expected 2018   bioengineering: BIOINFORMATICS (B.S.)

OBJECTIVE

Motivated and quick-learning second-year undergraduate seeking a software engineering internship, particularly for mentorship, exposure to team-based development, and opportunities to work on projects aimed at creating social good. I intend to transfer into a computer science major (B.S.) and minor in statistics.

EXPERIENCE

EGGE - FOUNDING FULL-STACK DEVELOPER   MAY 2015 - PRESENT
- o Creating Egge, an events-based social network with analytics
- o Designing a minimalist UI and intuitive UX with AngularJS, Ionic, HTML/CSS
- o Developing a REST Node.js API used in conjunction with AngularJS and SQL
- o Designing a landing website for the app using HTML/CSS (eggeapp.com)
- o Leading a small development team, and working with Git repos (BitBucket)
- o Developing and implementing a predictive algorithm for recommending events

PROJECTS

FOUR-BY-FOUR   AUG 2015 - CURRENT
- o Designing a Connect 4-like game with a rotating board in Java
- o Implementing a custom two-dimensional deque data structure
- o Experimenting with intuitive interface and UX design using JavaFX

PERSONAL WEBSITE: zliou.github.io/zachliou   JULY 2015 – AUG 2015
- o Experimented with UI design with HTML/CSS in a sandbox environment

SKILLS

- o Data Structures & Algorithms, Leadership for small project teams
- o Languages: Java, C, C++, JavaScript, HTML/CSS, SQL, SPARC Assembly
- o Frameworks: AngularJS, Node.js, Express.js, JQuery, JavaFX, Ionic
- o Methodologies: Agile, Lean, Scrum (incl. Scrumboards and backlog refinement)
- o Tools: UNIX, Vim, Git, JUnit, MATLAB, GIMP

COURSEWORK

CURRENT	**COMPLETED**
o Computer Systems & Organization	o Data Structures & OO Design
o Advanced Data Structures	o Software Tools Lab
o Intro/Probability	o Linear Algebra
	o Discrete Mathematics

VOLUNTEER EXPERIENCE

AID SUMMER   JUNE 2014 – AUG 2014
- o Led a team of English teachers before four classes of Taiwanese eighth-graders
- o Planned lessons and class field trips in a communication-critical environment