EMILY LE

Yorba Linda, CA
(714) 726 – 5212
eemly.le@gmail.com

Education:

California Polytechnic State University, Pomona   *Expected Graduation Date: March 2016*
Senior Standing
Bachelor of Science in Computer Science   *Personal Site*: http://emilycup.github.io/
GPA: 3.23/4.00

Work Experience

AT&T/DIRECTV | *Software Engineering Intern*   *June 2015 – Present*
- Created user experience enhancements for the set top box platform in Java using Eclipse
- Constructed an on-screen keypad with new features to reduce customer confusion and errors
- Implemented a smart-search functionality that dynamically displays results depending on user input

Cal Poly Pomona Computer Science Department | *Student Assistant*   *Sep 2014 – Dec 2014*
- Grade projects and tests for a C++ Programming course
- Used and created Bash scripts to automate project grading

Esri | *Quality Assurance Intern*   *Jun 2014 - Sep 2014*
- Analyzed multiple computer clusters to determine the speed and viability of an in-house test runner
- Ran and reported results from automated tests across a series of operating systems
- Reduced turnaround time for test executions from a full week to an overnight job

NASA Jet Propulsion Laboratory | *Software Engineering Intern*   *Jan 2014 - May 2014*
- Developed an automated GUI for the Ice Sheet System Model (ISSM), a polar climate application
- Customized an open source Java application to the polar climate application, ISSM
- Created XML files using MATLAB from calculated data
- Used the Unix shell in a Linux environment

Projects:

Algorithm Analysis
- Analyzed theoretical vs. experimental runtime complexities of 4 sorting, 4 graph, 2 searching, and a matrix multiplication algorithm in Java. Made Bash scripts to collect and organize the data into spreadsheets.

Web Development
- Built an initial prototype for an ecommerce website using Axure (wireframe software)
- Created and designed the website using HTML, CSS, JavaScript, and jQuery

Competitions
- ACM Programming Competition 2013 & 2014 — competed with my team of 3 to solve as many problems in 5 hours
- Hackpoly 2014 — Cal Poly Pomona's first hackathon where my team of 2 created a charity website in 24 hours

Skills:

Core Coursework: Assembly Programming, Data structures & Algorithms in Java, Interactive Web Development, Computer Networks, Design and Analysis of Algorithms, Numerical Methods, Computer Architecture, Databases
Programming: Java, C++, UNIX, HTML5, CSS, JavaScript, MIPS, SQL
Software: Eclipse, Microsoft Visual Studio, GitHub, Aptana Studeo3, Vim, Dreamweaver, Workday

Leadership & Hobbies:

Computer Science Society club | *Public Relations Chair*
- Helped jump start the mentor/mentee program where an upper/underclassman get paired up for the year
- Organizing the Girl's Night of Code where girls gather every week to form a community in a male dominated field

Personal Hobbies
- Write and perform original songs at coffee shops, competitions, and charity events
- Rock climbing, cycling, camping, hiking, traveling