JONATHAN LAW

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EDUCATION

University of California, Irvine   Expected Graduation: June 2018
Candidate for Bachelor of Science in Computer Science   GPA: 3.4
Honors: Dean's Honors list (4 Quarters)
- *Association of Computing Machinery Member*

EXPERIENCE

Garmin International | Software Engineer Intern – (Diamond Bar, CA)   *Jan. 2017 – Present*
- Developed graphical user interface pages for embedded systems with a Linux environment using C++ and QML
- Contributed to BMW Motorrad Navigator VI's software releases by resolving bugs on audio and navigation
- Created a software design document for the addition of supporting auxiliary audio in the embedded systems by gathering requirements from internal stakeholders, documenting the internal architecture, organizing the implementation of the software into individual tasks, and created test cases to fulfill the requirements
- Developed a functionality for accepting or rejecting a video push request between the embedded system and a tablet
- Code reviewed and verified other team members' code using Gerrit
- Gained working experience with C++, QML, Git, Agile and Scrum methodologies, large codebases, debugging

PROJECTS

Fabflix – **(***Web Application*) *– Academic Project*   *April 2017 – June 2017*
- Fabflix is a movie store web application connected to a MySQL database ran on an AWS instance
- Coordinated with team members by splitting up tasks by team members' respective programming strengths and planned team meetings through effective communication
- Developed back-end Java Server Pages that communicates with the database using SQL and returns JSON objects to be interpreted by the front-end code
- Reduced the execution time of parsing large XML files containing thousands of units of data that populate the MySQL database from over 15 minutes to 7 seconds

Pocket Pomodoro *– (Android Application) – Personal Project*   *July 2016 – Sept. 2016*
- Developed a countdown timer Android application representing the Pomodoro time management method involving a 25-minute work interval followed by a 5-minute break

WebReg+ *– (Google Chrome Extension) – Personal Project*   *August 2017 – Present*
- Building a Google Chrome Extension that combines professor ratings from Ratemyprofessor.com with UCI's class registration website, WebReg

SKILLS

Languages: C++ (Proficient), Java (Familiar), Python (Familiar), C (Prior experience), QML (Familiar), SQL (Familiar), HTML (Familiar), CSS (Familiar), JavaScript (Prior experience)

Other: Object-oriented programming, Data structures, Algorithms, Git (Git Extensions, Git GUI, GitK), JIRA, Gerrit, Agile, Scrum, Code review, Software design