3725 Emerald St. Apt D Email: [adamwlew@gmail.com](mailto:adamwlew@gmail.com)

Torrance, CA, 90503 React/NodeJS Website: <https://adamwlew.herokuapp.com>

Phone: (310)-357-1091

Adam Wayne Lew

To co-create an enjoyable world through enjoyable technologies; one smile at a time.

**Summary**

I've been creating alongside other wise and experienced developers using c, c++, JavaScript, HTML, CSS, XML, C# + .Net, and PHP for 2.5 years professionally and 4 years academically; co-creating web pages, features within controllers' firmware, and file systems as a Firmware Engineer and Web Developer.

**Education -** Arizona State University, Tempe, Arizona

BSE in Computer Systems Engineering – May 2016 – Accumulated GPA: 3.86

**Professional Experience**

Mercury Security Corporation LLC, Long Beach, CA – May 2016 to June 2017

Firmware – Application Engineer

* Worked together with a small agile engineering team to develop features and fixes to help make MSC’s security controllers easier and more enjoyable to use.
* Focused on developing client-server based features relating to TCP/TLS connections, the ability to use a secondary ethernet adapter, and revamping the embedded web interface using JavaScript and HTML.

**Tools:** Visual Studio/Eclipse, Notepad++, TortoiseSVN, Jira, BugTracker, VMWare, VirtualBox, PuTTY, WinSCP,

**Environment:** C, C++, JavaScript, HTML, CSS, XML, OpenSSL, libxml2, JSON, PHP, C#, .NET, wpa\_supplicant, Linux, Windows 7

Colony Starwood Homes, Scottsdale, AZ

Front-End Web Developer (Intern) – October 2015 to April 2016

* Worked together with a medium sized agile development and QA team to provide property managers and residents an understandable and enjoyable web application, “Atlas”, using React and Node.js.

Quality Assurance (Intern) – February 2015 to October 2015

* Worked together with the QA team to provide a better experience to the end user, and helped the development team have a more pleasant experience by providing behavioral results from verification.
* Found/reported/documented bugs and wrote user stories to suggest improvements to the website.

**Tools:** JavaScript, HTML5, CSS, NodeJS, React, lodash, Atom IDE, Jira, Github, Bitbucket,

**Environment:** Windows 7, MacOS,

Ira A. Fulton Schools of Engineering, Tempe, AZ, - Summers of 2012 – 2014

7UP/9UP Robotics Camp - Head Instructor and Exercise/Lesson Manual Developer

* Co-mentored with a small team of instructors to provide an enjoyable and positive interpersonal experience to the future of the Computer Science/Engineering and Robotics community (7-12th graders) using LEGO NXT/EV3 robots and Microsoft/ASU VPL.

**Completed Projects and Accomplishments**

Intel Galileo – Balancing Ball Labyrinth Game

• Developed a cross-compiled Linux kernel character and joystick device drivers for an MPU-6050 (I2C)

Gyroscope/Accelerometer and MAX7219 LED Matrix (SPI).

• Developed a multithreaded cross-compiled user-space game that interfaced with the kernel drivers.

ASU Team Capstone Project - Intel Edison – ASU JSON IoT Robot Maze Simulator

• Developed a HTML5/Javascript web application that allows the user to simulate a robot moving autonomously through a maze with sensors by sending and receiving JSON objects to any device through Websockets.

Sun Devil Robotics Club (SDRC) – Vex U Robots

• Developed a Vex Robot that placed 3rd at the 2013 Vex U Arizona State Tournament (VUAS).

• Lead the design, programming, and competitive team that placed 2nd at the 2014 VUAS Tournament.

**Past Leadership Experience**

* Vice President, Acting President, and Vex U Robotics Hardware Design Lead of SDRC
* Head Instructor at the Ira A. Fulton Schools of Engineering 7UP/9UP Robotics Summer Camp