

CORY EIGHAN

Software Developer

Software Developer with 5+ years of experience and an emphasis on leadership, producing quality products, workflow efficiency, and team synergy.

Primary Skills

Java
C#
ReactJS
Git
Docker
UML
Agile/Scrum/TDD

Tertiary Skills

Ruby on Rails
HTML/CSS
Obj-C/Swift
Python
C++
MySQL

Education

Bachelor of Science,
Computer Engineering '12
California State University
Chico, California

Contact

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Department of Defense - NAVAIR / Software Developer

November 2013 - PRESENT / Point Mugu, CA

- Fixed bugs, refactored code, and implemented IA fixes for a **C#** tactical mission planning tool. Implemented **ReactJS**, **Spring Framework**, and **Docker** for new web application being created to replace the mission planning tool.
- Implemented **WorldWind**, an open source 3D interactive virtual globe, in **Java** for mission planning with new features and UI, and resulted in removal of crash-inducing memory leaks, an 100% performance increase, and scalability.
- Fixed bugs, refactored, and implemented new features in a **C# Electronic Warfare** mission planning tool to improve scalability and communicate through **JSON** with the **Java WorldWind** application.
- Improved a **C# Excel** parsing application to create and filter mission planning documents leading to a 50% increase in scalability, efficiency, testability, and functionality.
- Led **Scrum** meetings and developed with an innovation team to prototype an autonomous 3D mapping quadcopter utilizing a **machine learning** algorithm to learn as it traversed the maze/room.
- Developed **Python** scripts to capture sensor data and to perform image recognition for robotics.
- Built a Project Management website with **Ruby on Rails** and **PostgreSQL** which included setting up multiple databases, creating new web pages, user creation, and security protocols within a closed network.
- Developed new features and resolved bugs in **Objective-C** for an **iOS NITF**-based mapping engine resulting in saving over \$100K, increased user experience by 95%, and the project becoming on schedule.
- Provided **Git** training to the development team with a presentation consisting of twenty slides to increase productivity of the development team and help reduce production costs.
- Setup a **BeagleBone Black** to use the **CANBUS** protocol to communicate with the other microcontrollers being used for surface targets and collect data.
- Completed training courses on **Acquisition Management**, **Electronic Warfare**, **Systems Engineering**, **Scrum**, team development, and effective presentations.

Bethel Media / Web Developer

June 2013 - September 2013 / Redding, CA

- Developed web pages using **Ruby on Rails**, **HTML/CSS**, and **Twitter Bootstrap** to provide backend support and new designs based on the customer's needs.
- Developed in a **Agile** and **Scrum** environment with daily standups, code reviews, **Continuous Integration**, and bi-monthly sprint reviews.

Training and Personal Projects

- DAWAI/Engineering 2 Certificate
- Setup a Raspberry Pi 3 as a Linux home server with remote access and VPN for extra security.
- Developed with a team to develop an iOS application to connect businesses with veterans.
- Completed a Software as a Service course utilizing full stack technologies(Ruby on Rails, MySQL, HTML/CSS, Heroku).
- Completed a UML Modeling and Analysis course