

Medford, Massachusetts

JASON DOWNING

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EMPLOYMENT

Software Engineer II **Raytheon Technologies** **August 2019 – Present**

- Contributed to a Six Sigma project that involved creating Grafana Dashboards that pull from an InfluxDB database powered by automated Python scripts, delivering over \$50,000 in cost savings annually
- Utilized C and C++ to work on an embedded military system
- Developed Python Scripts for simulating an external interface that was used to test an embedded system
- Created and maintained unit tests for testing of individual source code components

System Engineer II **BAE Systems** **April 2018 – August 2019**

- Utilized C#, ASP.NET, JavaScript, CSS/Bootstrap, and SQL Server to create a web application that replaced a complex spreadsheet workflow, which ultimately saved the company over \$100,000 per year
- Developed new features for a C# .NET automation system that used HTML5 with AngularJS, Bootstrap, jQuery, and SQLite
- Maintained a C++ application and added new features that enabled it to interface with an internal automation system

Software Developer **Creative Logistics Solutions** **July 2017 – April 2018**

- Developed a web service that integrates with an XML based REST API for an international express delivery carrier, which replaced a licensed external interface
- Implemented a C# .NET web service for a regional overnight shipping carrier, and completed the project a week ahead of schedule
- Created a web service for connecting to a government REST API, enabling the system to screen potential parties involved in regulated US exports

Android Developer Intern **Fidelity Investments** **May 2016 – August 2016**

- Developed new features for the Fidelity Android app using Java and XML
- Designed new User Interface layouts using Android Studio
- Experimented with Android Wear, and created a prototype Android Wear app

Mainframe Developer Intern **Fidelity Investments** **May 2015 – August 2015**

- Developed batch programs in COBOL, and created JCL to run COBOL batch jobs
- Modified existing CICS COBOL programs to improve their performance
- Worked with DB2 databases, and wrote SQL statements to query DB2 tables

Research Assistant **University of Massachusetts Lowell** **May 2014 – May 2016**

- Developed an API wrapper for an internal REST API in C++ using cURL and PicoJSON
- Created HTML5 Web apps as a demo of the JavaScript API wrapper and for use in research projects

EDUCATION

Lowell, MA **University of Massachusetts Lowell** **Fall 2013 - May 2017**

- Bachelor of Science in Computer Science, May 2017. Cumulative GPA: 3.4.
- Undergraduate Coursework: Android App Development, Databases, Graphical User Interfaces (GUI), Computer Architecture, Operating Systems, Functional Programming (Racket)

TECHNICAL SKILLS

- C / C++, Python, C#, JavaScript, CSS, SQL (SQL Server), Java
- .NET, ASP.NET, AngularJS, Bootstrap, jQuery, JSON, XML, Windows, Linux, Git