

Merrimack, New Hampshire

# JASON DOWNING

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## EMPLOYMENT

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**System Engineer** **BAE Systems** **April 2018 – Present**

- *Super Awesome Systems Engineering*

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

- 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
- Developed a web service that integrates with a XML based REST API for an international express delivery carrier

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

- Developed new features for the Fidelity Android app in Java and XML
- Designed new User Interface layouts using Android Studio
- Experimented with Android Wear, and worked on 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
- Contributed to the development of JavaScript and Python API wrappers
- Created HTML5 Web apps as a demo of the JavaScript API wrapper and for use in research projects

## EDUCATION

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**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, Database Design, Graphical User Interfaces (GUI), Computer Architecture, Operating Systems

## PROJECTS

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- **Racket Weather** (2016). Semester long group project, built using Racket to display a 10-day forecast with data pulled from the OpenWeatherMap API. Racket, JSON.
- **Ski Maps** (2016). Front-end website for viewing skiing conditions for six New Hampshire ski resorts, allowing users to view conditions of multiple mountains on one page. HTML, CSS, JavaScript, Python.
- **UML Alerts** (2015). Android app for sending SMS alerts, allowing users to quickly alert contacts of an emergency or dangerous situation with the user's location included in a Google Maps URL. Java, Android.

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Eagle Scout** (2010). Designed and led the construction of a shed for the Merrimack Historical Society.

## TECHNICAL SKILLS

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- C#, JavaScript, CSS, SQL, Java, Racket, C / C++
- .NET, jQuery, Bootstrap, JSON, XML, Windows, Linux, Git