**Adam Carroll**

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**OBJECTIVE**

To obtain a position in the software engineering or web development field and help shape the future of technology, with the eventual goal of advancing to a team lead or managerial role.

**EDUCATION**

**Master of Science in Computer Engineering** **May 2015**

Clemson University — Clemson, SC **GPA: 4.00**

* Teaching Assistant (Microcontroller Interfacing, Computer Organization)
* Researcher in the Pervasive Communications Laboratory
* Secretary/Treasurer and Volunteer for Cross Impact (Student org.)
* IEEE Competitive Programming Team Member

**Bachelor of Science in Engineering** **May 2013**

Bob Jones University — Greenville, SC **GPA: 3.86**

* BJU Outstanding Student in Physics and Engineering Award Recipient
* BJU Competitive Programming Team Member
* Passed the Fundamentals of Engineering Exam

**EXPERIENCE**

**System Validation Engineer** — Intel Corporation — Columba, SC 2015-Present

* Validating the correctness of the Xeon server processors
* Analyzing system architectural documents and validating against the actual product

**Web Developer** — Domain Superstar LLC — Telecommuting 2012-2015

* Worked on the WeightTraining.com website, written using Ruby on Railswith SASS

and JQuery implemented for the user interface (among other languages)

* Extensive work on both the back-end code and front-end css to replicate Photoshop wireframes
* Redesigned and implemented a new checkout system for making online purchases

**Teaching Assistant** — Clemson University — Clemson, SC 2013-2015

* Taught 6 lab sections for Microcontroller Interfacing (ECE 372)
* Taught 6 lab sections for Computer Organization/x86 Assembly (ECE 273)

**Technology Assistant Crew Chief** *—* Bob Jones University — Greenville, SC2012-2013

* Responsible for training and managing as many as 11 staff members, coordinating worker schedules,

overseeing special shifts, and handling maintenance issues in the computer science labs

* Developed management and relational skills

**Software Engineering Intern** — AAI Corporation (Textron Systems) — Goose Creek, SCSummers 2010/11

* Developed a maintenance-training simulator for the DOD F-35 Joint Strike Fighter program
* Worked alongside the customer for on-site testing and analysis
* Gained experience in project management, code/script testing, and ITAR

**TECHNICAL SKILLS**

**Programming Experience**

* Intel x86 Assembly
* C / C++
* Git / Source Control
* Ruby on Rails
* HTML and CSS / SASS
* JavaScript / JQuery / CoffeeScript

**Projects**

* *Master’s Thesis* – Analyzed the effects of adding multimedia to questions on a question/answer website. This study utilized my *MultiQuery* website and involved a 10-week user study.
* *MultiQuery* – Designed and operated a website for a personalized question/answer social network (like Yahoo! Answers). The framework is Ruby on Rails with Bootstrap used for a styling backbone.
* *80Sim86 Simulator* – Designed and coded a learning simulator for Intel 8086 Assembly Language using C++ and Microsoft Visual Studio. The simulator is designed for teachers and enhancing student learning and instruction.
* *Knock-Activated Door Opening Device* – Constructed and implemented a remote door opener that will open a door given a pre-programmed secret knock. All processing and logic was supplied by an Arduino Uno.