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 Rails with 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, SC   2012-2013
- 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, SC   Summers 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.