

# 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.

## EXPERIENCE

- System Validation Engineer** — Intel Corporation — Columbia, SC 2015-Present
- Validating the correctness of the Xeon server processors
  - Analyzing system architectural documents and writing tests to validate against specifications
  - Collaborating with both international and USA-based teams
- 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
- 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

## 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

## TECHNICAL SKILLS

### Programming Experience

- Intel x86 Assembly
- C / C++
- Python
- Git / Source Control
- Ruby on Rails
- HTML, CSS, and JavaScript

### 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.