

MITCHELL A. WEBSTER

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia
Bachelor of Science in Computer Science, GPA: 4.0

Aug 2013 – Present
Expected Graduation: May 2017

EMPLOYMENT & INTERNSHIP EXPERIENCE

Automatic Data Processing (ADP), Alpharetta, GA
Web Portal Development Intern

June – August 2015

- Wrote an API for integrating data from agile tracking software, continuous integration tools, and internal sites using MongoDB, NodeJS, and ExpressJS. API was integrated into my department and spread to other departments later on.
- Developed Internal Tool for monitoring disjointed systems crucial to an upcoming software release using Dashing, Ruby, CoffeeScript, HTML, AngularJS, and SCSS
- Debugged errors and wrote unit tests/e2e tests for ADP's Document Cloud Service using AngularJS, Protractor, and Jasmine

NCR Corporation, Duluth, GA

June – August 2014

Enterprise Services Application Developer Intern

- Designed, built, and tested prototype mobile application, which provided a high-level graphical overview of a customer's ATM data using Java, HTML 5, CSS, AngularJS, and SQL. Concepts were integrated into existing client-side application.
- Helped design NFC interface for more efficient data exchange for an existing diagnostic tool using native Android development, Java, and SQL. Implementation could improve speed across several thousand field engineers.

PROJECTS

Content Management System

August – September 2015

Custom CMS for viewing and editing records within social fraternity

- Created a MEAN stack single page web application with varying security levels for over 80 users to create/edit content
- Followed OAuth guidelines for implementing token based security; used NodeJS, ExpressJS, and AngularJS for implementation

Prox-1

May – August 2015

Georgia Tech Research project focused on automatic trajectory control

- Designed protocol using C for transmitting encrypted messages efficiently between the satellite and the ground station
- Leveraged research on UDP and TCP/IP to develop a custom protocol tailored to the satellite's high packet loss environment

Shopping With Friends

January – May 2015

Android Application prototype designed to enhance local shopping through social media

- Collaborated with a team to develop shopping platform that integrated location data and social networking to provide an enhanced shopping experience using Android, Google Maps API, Google Play Services, and Send Grid API
- Wrote REST API for storing records to a MongoDB instance as well as delivering content to individual clients

RELEVANT SKILLS & EXPERIENCES

Languages (years):

Java (4), C/C++ (3), JavaScript (3), Ruby (1), Python (1)

Web Development (years):

HTML/CSS (4), AngularJS (2), JQuery (2), NodeJS/MongoDB/ExpressJS (1)

Interests:

Network/Computer Design, App Development, Web Development, Big Data Manipulation, Data Security

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

ECE 2035 Undergraduate Teaching Assistant

January 2015 – Present

Topic: Programming Hardware and Software Systems

- Helped students learn about C and Assembly level programming as well as how these programming languages are utilized to create more complex data structures and functions for various types of hardware
- Reinforced concepts including general programming, Stack, Heap, and Hash Tables in both MIPS assembly and C, as well as programming techniques for optimizing efficiency

Georgia Tech Interfraternity Council

December 2014 – Present

Vice President of Communications

- Led biweekly meetings, alongside 7 other executive board members, of about 50 people to update chapter presidents and faculty, promote discussion on critical issues, and advertise upcoming campus events and organizations
- Worked with a two person cabinet to manage all social media and web content within our organization