Brandon Marino

109 Nelson Circle, Newmarket, ON L3X-1R2
brandon.a.marino@gmail.com
(416) 825-6522

Technology and Skills Summary

- Fluent in: Java, C, C#, Angular.js, Javascript, HTML, Python
- Competent with: Ionic Framework, Ruby-on-rails, Golang, C++, Racket, Prolog
- Experience with data structures such as: linked lists, stacks, queues, graphs and trees
- Programming strategies: Recursion, Data Abstraction, Time Complexity Analysis, UML, Use Case, and Sequence Diagrams experience
- Database Experience: SQLite, Oracle, Postgres
- Container and Virtualization Experience: Docker, Vagrant, Virtual Machines
- Cloud Computing: AWS, Google Cloud, Azure Services, ParseDB, Heroku
- Version Control: Git, TFS

Work Experience

Website Automated UI and Web Service Test Developer   Summer 2016
Deighton Associates Limited, 223 Brock Street North, Whitby, Ontario
- Developed Web Service and Automated UI tests for an in-development software project
- Collaborated with a team of developers in order to ensure a top quality project launch
- Utilized Scrum and Agile Testing Methodologies to develop automated tests for multiple projects to ensure their continued functionality
- Maintained positive client relationships during the annual Deighton User Conference

Project Experience   Github: github.com/brandonmarino

ClubHub
Ottawa, Ontario - Hackathon Project
- Developed a platform where students can connect with the clubs around them that match their interests
- Written in Angular.JS with a parse exposed REST API from ParseDB

UniTap
Carleton University, Ottawa, Ontario - 4th Year Capstone Project - Grade Received: A+
- Developed an application that allowed users to replace tap-id cards with their Android based phone
- Used HCE Emulation for responsive communication between a user's device and a terminal
- Used Golang to create an API which was efficient for end user devices and company servers
- Programmed an Arduino to act as a terminal for client devices
- Modeled a 3D design in Solidworks for the terminal
- Utilized OAuth to manage user credentials safely

Midland Optical Database
Carleton University, Ottawa, Ontario
- Developed a preliminary database for a small business which handled sales and receipts, written in SQLite
- The database allowed the clients to store and access client records on their computer as opposed to physical file storage

TFTP Server Design Project
Carleton University, Ottawa, Ontario
- Developed a multi-threaded local TFTP Server which could send and receive files by lock-step packet transfer
- Programmed a multi-threaded proxy server which connected the main server to its multiple clients
- Developed client side terminal application which was able to split files into packets and send them to the proxy server's IP address

Education

Carleton University, Ottawa, Ontario, Canada   2012 - Present
Pursuing Bachelor of Software Engineering (BEng), Expected Graduation December 2016