Devon Miller

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Education

University of Guelph
B.Comp Software Engineering
Sept 2013 - Apr 2019
Cumulative GPA: 3.65
Deans Honor Roll

Languages:

Javascript, C, C#, Java, SQL, Python, LaTeX, Perl

Skills:

NodeJs, VueJs, MySQL, Git, Svn, Express, Firebase, AWS, ES Lint, Azure, Alexa, jQuery, HTML/CSS, Bash, Android Studio, Mocha, Google Assistant, MsSQL

Courses:

Algorithms & Data Structures, Software Reliability Testing, Discrete Mathematics, Assembly, UI Design, Calculus, Object Oriented Programming, Operating Systems, Databases, Android Dev.

Organizations

IT Student Advisory Council
CCS Representative

Guelph Society of Computing and Information Science
Active Member

Professions Connect
Website Administrator

Guelph Coding Community GCC
Active Member

Interests:

Hockey, Hackathons, Soccer, Gardening, Reading, Video Games, Drumming

Experience

Sun Life Financial | Software Engineering Intern
04/2018- 08/2018 | NodeJs, Lambda, Azure
- Developed back-end severless compute functions in *NodeJs* and deployed them onto Microsoft Azure and AWS *Lambda* .
- Worked in an agile development team to release Alexa Skills and Google Home/ Google Assistant Apps/Actions to their respective stores.
- Utilized *Mocha* and Chai for unit testing and ensured total number of errors were below a 2% threshold.

University of Guelph | Teaching Assistant
09/2017 - Present | C
- Taught hands on programming curriculum in weekly lab sessions for the class Introductory Programming.
- Evaluated and analyzed algorithms and implementations of data structures written in *C* , for a class of over *250* students.
- Functioned as a liaison between the professor and students by solving problems and addressing student grievances.

Hospitality Services | Junior Application Developer
05/2017 - 12/2017 | C#, .Net, MySQL
- Designed, developed, and tested dynamic web applications in a .Net framework.
- Managed complex MySQL Databases over multiple virtual servers
- Successfully led a project to migrate existing server-side code from PHP to C# without system outages or downtime.

Computing and Communication Services | IT Support / QA
05/2016 - 12/2017
- Managed a ticketing system to deal with the technological issues of students, staff and faculty.
- Tested new software for bugs, compatibility issues and user satisfaction.

Select Projects

Comical | Hack Harvard Winner (Best Overall Hack)
10/2018 | Node.js, VueJS, Azure, Google Home
an application that creates illustrations in real time for stories spoken out loud. User input is parsed through key word extraction and sentiment analysis before entering the Bing image api. The returned image is run through Azures ML Face API, before entering a SVG on a Vue webpage.

Tower Attack
09/2016 | C
A reverse tower defense game where users must strategically select a team of units to run past turrets through a maze, in order to reach the end. Built using the C nCurses library, to create a representation of the map and UI on the command line.

Babel
10/2018 | Node.js, Google Home
A real-time translation app utilizing the Google Home. Once a user has selected a language, the application translates all voice input to the desired language, and outputs it through the Google Home speaker. Deployed on Firebase using the Google Translate API. Released to the Google Action Library.