Nick Brisebois

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Summary:

I am a third year Computer Engineering student at Algonquin College. I spend a large portion of my free time working on personal projects, learning new libraries and trying to expand my general knowledge in the field. Some of my interesting projects include:

- A Chip-8 emulator written in C++
- A content aggregation site similar to reddit written in PHP and postgreSQL
- A chat room web application written in NodeJS using Socket.IO

Skills:

Languages

- Highly experienced in C++, Java, C, Python, Javascript, PHP, and HTML5.
- Experienced in cloud networking and Terraform
- Experienced in 68HCS12 assembly and programming the Arduino.

Frameworks and Libraries

Javascript:

- Passport.JS
- JSON Web Tokens
- React
- ExpressJS
- NodeJS
- Node-OracleDB
- Socket.IO
- EJS

C++:

- SFML

Python:

- Flask

Tools

- Linux, Git, GDB, tmux, bash/fish, SSH, Vim
- Oracle Cloud, AWS, Microsoft Azure
- Visual Studio 2015, Intellij CLION, Intellij IDEA

Experience:

May 8, 2019 - August 30, 2019

Correctional Service of Canada, - *Cloud/DevOps*

- Investigated potential cloud platforms for the CSC
- Set up virtual networks on Oracle Cloud and AWS
- Designed a hardened network topology to use as a proof of concept for the Oracle Cloud
- Configured Oracle Databases on Oracle Cloud
- Set up Windows 10 VMs for other employees on Microsoft Azure
- Built a NodeJS application to use as a proof of concept for the Oracle Cloud platform
- SysPrepped Windows Server images

January 2019 - April 2019

Pivot & Edge, - *Programmer*

- Developed multi-platform employee advocacy app 'Beap' using MERN stack.
- Increased security in app by implementing JSON web tokens.
- Implemented Pasport.JS to enable user authentication using other services.

June 13, 2017 - June 11, 2018

Elections Ontario, - *Resource Staff*

- Inspected locations to verify accessibility for voters on election night.
- Inspected locations to be used for returning and satellite office during the election.
- Assisted with data entry before and during election.

Education:

January 2016 - Completing January 2019

Algonquin College, Ottawa

Computer Engineering Technology - Computer Science

Courses taken to date:

- Compilers
- C Language
- Database
- Data Structures
- Web Enterprise Apps
- .NET Enterprise Application Development
- Network Programming
- C++ Language
- Calculus 1
- Processor Architecture
- Interfacing
- Java Application Programming
- Numerical Computing
- Web Programming
- Operating System Fundamentals
- Software Design and Testing

Awards:

Fall 2017

Dean's Honours List

- Recognition for outstanding academic performance in Fall 2017 Semester

Winter 2019

Dean's Honours List

- Recognition for outstanding academic performance in Winter 2019 Semester

References:

On Request