Brennan McDonald

http://BrennanMcDonald.io
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EDUCATION

UNIVERSITY OF OTTAWA
B.Sc in Computer Science
Expected May 2019 | Ottawa, ON

LINKS

github.com/BrennanmcDonald
linkedin.com/in/brennan-mcdonald

SKILLS

PROGRAMMING
C# • Java • Python • GO
HTML\CSS • JavaScript • C\C++
FRAMEWORKS
Ruby on Rails • .NET
Android • AngularJS
OTHER
Linux • Shell (Bash & ZSH) • VIM

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Computer Architecture I and II
Functional Programming
Databases I and II

EXPERIENCE

WEBILITY SOLUTIONS Jr. Web Developer
March 2014 - September 2015 | Hamilton, ON
- Created and Maintained custom C# and PHP back-ends.
- Created custom front-ends from designs in CSS3 and HTML5.
- Used jQuery and AngularJS to provide responsive solutions.
- Used a mobile first development approach.
- Documented code and worked closely with clients to ensure code re-usability.

VOLENTEER & ASSOCIATIONS

UOTTAWA ROBOTICS TEAM (OTTABOTICS) | Drone Team Sub-Lead
Febuary 2017 – Present | Ottawa, ON
As the drone team's communication team lead my responsibilities are to develop and maintain all the electrical components of the drone. This includes our on board computer running Arch Linux, our Intel RealSense Camera, and all of the sensors. My team and I are working in C\C++ to develop all code modules to interface with these pieces of hardware.

OTTABOTICS | Webmaster
Febuary 2017 – Present | Ottawa, ON
As the Webmaster for the Ottabotics club, my job is to maintain all web assets of the club including the website, our email, and our servers. As en executive member I attend regular meetings and vote on club affairs at an executive council.

COMPUTER SCIENCE STUDENT ASSOCIATION | VP Finance
March 2016 – Present | Ottawa, ON
As an executive member of the Computer Science Student Association I an required to attend weekly meetings on an executive council. During these meeting we plan events and discuss issues that pertain to computer science students at the university. As the VP Finance of this association, it is my job to create and maintain a budget, preform regular audits, and maintain our bank account.

PROJECTS

MFL - MY FIRST LANGUAGE | GO
github.com/BrennanMcDonald/MFL
A modern development language written in GoLang to be used by entry level programmers to learn basic code standards. This language is meant to be extremely easy to learn and simple to master.

GARLICOIN | C\C++ // Blockchain // NodeJS
Current working with a small team of developers to release a new altcoin that uses blockchain technology. Based on a fork of the litecoin github repo I have contributed to the creation of a primitive wallet, the creation of a block explorer, and run one of the key test nodes.

COMPETITIONS

Year	Result	Competition
2016	Qualified and reached round 1C	Google Code Jam
2014	27th Place	ECOO-CS Nationwide
2014	Third Place	ECOO-CS Regional
2014	First Place	ECOO-CS Boardwide