LOÏC MURUMBA

http://loicmurumba.me | lmurumba@edu.uwaterloo.ca | 613.700.4103

SKILLS

EXCELLENT
C++ • HTML • Java • CSS • JavaScript
Android • Git • Node.js • Bootstrap

PROFICIENT
C • PHP • Ruby • HTTP • Websockets
Firebase • jQuery • SASS

FAMILIAR
Python • Assembly • mySQL • LaTeX
REST API • React • Embedded Systems

AWARDS

Elected Class Valedictorian

2016 Horatio Alger National Scholar
Selected for Overcoming Adversity,
Academic Excellence, and Leadership

President's Scholarship of Distinction
UW Entrance Average > 95%

Richard Madter Entrance Scholarship
Selected for Extra Curricular Work and
Academic Excellence

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor's degree in Applied
Science
Electrical and Computer Engineering
Expected May 2021 | Waterloo, ON
Cum. GPA: **87.2%**
Scored **100%** in C++ Programming Course

DOVER BAY SECONDARY
June 2016 | Nanaimo, BC
Best in Class Award for Programming
(Ruby, Java)
Graduating Avg: **96.75%**

LINKS

Github:// **loicmurumba**

LinkedIn:// **loicmurumba**

INTERESTS

Futsal • Cooking • Fitness • Design • Art
Photography • Music • Hackathons

RELEVANT EXPERIENCE

WATERLOO HYPERLOOP | Software team member
Sept 2016 – present | Waterloo, ON
- Designing web-based dashboard that updates in real time based on sensor outputs using Websockets, C, and a Go server
- Worked on circuits to distribute power to various components using the hyperloop pod microcontroller

MIDNIGHT SUN SOLAR CAR TEAM | Web Developer
Sept 2016 – present | Waterloo, ON
- Re-structured the website design using CSS, jQuery, bootstrap, and Javascript
- Communicated with marketing team to ensure the changes fit their needs
- Website can be viewed at uwmidsun.com

LOGIQ3 | System Support Engineer
Jan 2017 – Apr 2017 | Toronto, ON
- Increased efficiency by introducing automated system to parse and assign service requests within IT team.
- Acquired professional communication skills while providing technical support
- Worked on web-based advertising project for marketing team
- Reduced cost of IT consultants by automating service request assignment

MAJOR LEAGUE HACKING | Volunteer & Mentor
Mar 2017 | Guelph, ON
- Helped hackers complete their projects by sharing technical knowledge
- Organized mini-games to give out prizes to participants

PROJECTS

SLICE | Web App
(In Progress)
- Web-based online multiplayer combat game implementing websockets through node.js server for real-time communication between clients
- Game mechanics and front-end designed using Javascript and HTML Canvas

SOAR | Android Game
- Simple yet challenging platformer where player must avoid obstacles
- Implements real-time database to keep track of worldwide highscore and report it to all clients
- Available on the Google Play Store

COURSEWORK

ASSEMBLY CODE PARSER | C++
C++ application taking an input text file with correct Assembly code commands and checking for logical inconsistencies and errors.

GESTURE-CONTROLLED 2048 GAME | Java/Android Studio
(In Progress)
Recreation of popular 2048 game using the accelerometer to generate player actions