

LOIC MURUMBA

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SKILLS

EXCELLENT

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

PROFICIENT

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

FAMILIAR

Python • Assembly • MySQL • \LaTeX
REST API • React • Embedded Systems

AWARDS

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 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 external 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