

LOIC MURUMBA

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SKILLS

ADVANCED

Java • C++ • Javascript • Git
Android • HTML • CSS
Node.js • Ruby on Rails

PROFICIENT

React • jQuery • Ruby
HTTP • MySQL • Firebase
Redux • Websockets

FAMILIAR

Python • Machine Learning
Unity • \LaTeX • REST API
PHP • 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

Electrical and Computer Engineering

Expected May 2021 | Waterloo, ON

Term Avg: 90%, Rank: 10/97

Dean's Honour List

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%

INTERESTS

Futsal • Cooking • Fitness • Design • Art

Photography • Music • Hackathons

RELEVANT EXPERIENCE

MITRE MEDIA | WEB DEVELOPER

Sept 2017 – present | Toronto, ON

- Implementing features and improving page load times on a ruby on rails engine for a popular financial website
- Working in agile environment, helping organize sprints with subject matter experts

WATERLOO HYPERLOOP | SOFTWARE TEAM MEMBER

Sept 2016 – present | Waterloo, ON

- Creating VR simulation of pod to showcase on team website using GSAP
- Designed web-based dashboard that updates in real time based on sensor outputs using Websockets, C++, React and Redux
- 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-structuring the website design using CSS, jQuery, bootstrap, and Javascript
- Held meetings with marketing team to ensure the changes fit their needs
- Website can be viewed at uwmidsun.com

STARTERHACKS | DIRECTOR

Oct 2017 – present | Toronto, ON

- Technical team member tasked with mobile and web development
- Creating React Native app for users to register for the hackathon more easily

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

FOODFEED | MOBILE APP

(In Progress)

- iOS and Android app allowing users to easily browse and save recipe videos
- Uses Javascript and Reddit API to collect and organize recipes on Firebase

NEURAL NETWORK | C++

(In Progress)

- Writing C++ neural network from scratch to recognize patterns in text

SOAR | ANDROID GAME

- Simple yet challenging platformer where player must avoid obstacles
- Implements real-time database to keep track of worldwide highscore
- Available on the Google Play Store [here](#)

COURSEWORK

ASSEMBLY CODE PARSER | C++

Application which checks an Assembly text file for syntax and logic errors

GESTURE-CONTROLLED 2048 GAME | JAVA/ANDROID STUDIO

Recreation of 2048 game using the accelerometer to generate player actions