

SKILLS

Proficient

Java • C# • C • C++
Lua • XML

Familiar

JavaScript • Arduino
Python • CSS • HTML

Technologies

Git • Subversion
Android • Arduino
Firebase • Unity
OpenCV • Node.js

EDUCATION

University Of Waterloo Software Engineering

Candidate for BSE in 2021

96.7% 1A Average

Dean's Honours List

SCHOLARSHIPS

- Scotiabank and UW Software Eng. Scholarship, valued at \$15,000
 - » Awarded to only one student annually
 - » Based on performance in academics and the Euclid Mathematics Contest
- UW President's Scholarship, valued at \$5,000

INTERESTS

Hackathons • Robotics
Graphic Design • Chess
Travel • Game of Thrones

PROJECTS

Online Roblox Games [Lua]

- Created several popular youth games for the Roblox platform
- Accumulated over **27 million plays** and earned over **\$29,000** in revenue
- Work includes code maintenance, advertising, and customer support

Pronto Android App [Java/Python/XML]

- App that uses linear regression machine learning to sort the daily messages in congested Facebook group chats

Hands-Free Snake [C/Java/OpenCV]

- Computer vision arcade video game that is controlled exclusively with facial expressions for use by children suffering movement disabilities

SportiGO Android App [Java/XML/JS/Firebase]



- Crowd-sourced Android app which allows users to organize and join sporting events in their community

A.I. Labs Android App [Java/JS/Lua]

- App that teaches programming and AI design by having the user create and face off AIs for arcade games right from their phone
- Created a mobile IDE equipped with syntax highlighting and auto-complete

EXPERIENCE

UW Robotics Team • Project Manager *Sept. 2016 to Dec. 2016*

- Music-playing and line-following robot that won second place **[C/C++]** 
- Robot that navigates and maps a room. The generated map is sent to and displayed on an Android phone via Bluetooth **[C/C++/Java/XML]** 
- Responsibilities as Project Manager included delegating tasks, managing funds, and integrating software and hardware components

No Frills Supermarket • Cashier *June 2014 to Oct. 2014*

- Developed strong communication skills and customer service experience
- Applied programming skills to create software that retrieved product codes

AWARDS

Academic Accomplishments

- Featured in the Toronto Star for **99.33% Graduating Average** *2016*
- Governor General's Academic Medal *2016*

Extracurricular Accomplishments

- Hardware Hack Winner at Yale's YHacks Hackathon *2016*
- First Place in ECOO Team Programming Competition, Provincials *2016*
- Software Winner in UW Tech Retreat Hackathon *2015*
- Second Place in UW CCC National Programming Competition *2015*
- First Place in Game-Making Competition *2015*