

Skills Summary

- **Languages:** Java, C#, C++, Python, JavaScript, HTML, CSS, SQL
- **Technologies:** AngularJS, Vue.js, Cordova, .NET, Ionic, Android, Firebase

Work Experience

SAP - *Software Application Developer* Jan. 2017 - Apr. 2017

- Created a custom Java tool to analyze and stress-test OData servers
- Constructed robust Arduino/Raspberry Pi boards to facilitate product demos
- Demos were successfully presented at the Hannover-Messe industrial fair and SAP d-kom

MHS Inc. - *Software Developer* May 2016 - Aug. 2016

- Optimizing database calls for an assessment scoring algorithm, improving speed by 500%
- Built an internal peer-recognition app from scratch using Ionic and Firebase

Projects

Super Sketch Apr. 2017 - Present

- Co-operating with a group to create a multiplayer Pictionary style game
- Using Vue.js and Go for their simplicity and high performance

Dead Reckoning Navigation App Jan. 2016 - Apr. 2016

- Created a native android app that tracks a user's movement using onboard sensors
- Implemented an A* algorithm to find the shortest path on any SVG map

J-OSU Apr. 2015 - June 2015

- Developed a rhythm game capable of reading custom song files in Java
- Incorporated custom game loops to minimize delays between audio and visuals

Technical Associations

University of Waterloo - *Autonomous Robot Racing* Sept. 2015 - Present

- Redesigning the electrical systems, making it lighter, maintainable, and modular
- Improving line-detection accuracy, making the robot faster and more reliable

Agincourt Collegiate Institute - *Robotics Team Captain* Sept. 2012 - June 2015

- Revitalized team: organized meetings, streamlined design/build process
- Lead team to best-ever finishes (4th in FIRST and 1st in VEX regionals)

Education

University of Waterloo - *Candidate for BAsC Computer Engineering* Sept. 2015 - May 2020

- Term Dean's Honours List for Winter 2016, ranked 7th out of 101 students

Agincourt Collegiate Institute - *Ontario Secondary School Diploma* Sept. 2011 - June 2015

- Bilingual Certificate from the Extended French Program