

## Skills Summary

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

## Work Experience

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**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

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

## Projects

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**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

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**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 (4<sup>th</sup> in FIRST and 1<sup>st</sup> in VEX regionals)

## Education

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

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

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

- Bilingual Certificate from the Extended French Program