

# Alessio Symons

SOFTWARE DEVELOPER · STUDENT

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“Success is going from failure to failure without a loss of enthusiasm.” - Winston Churchill

## Education

### University of Waterloo

ON, Canada

CANDIDATE FOR HONOURS BACHELOR OF MATHEMATICS

Expected 2021 Graduation

- Got a President's Scholarship given to students with exceptional grades entering the University.

## Experience

### Freese Enterprise

MI, USA

SOFTWARE DEVELOPER

Sept. 2015 - Present

- Created an Embedded Operating System using Windows 8.1 embedded to create an environment for surgical equipment.

### Soundscape Engineering

MI, USA

FULL STACK DEVELOPER

May 2016 - Nov. 2016

- Designed the front end of the website from scratch to record sensory data from vibration sensors and displayed the data graphically using d3.js.
- Lead the implementation the backend of the website, in a team of 3, using Node.js and Express that communicated with Google Cloud hosted MySQL servers.

### SentioMMG

MI, USA

APP DEVELOPER

Feb. 2016 - April 2016

- Created an IOS app in swift for product promotion that included a built-in PDF viewer and video player.

### Programming Experience

PROJECTS INCLUDE: REVERSE ENGINEERING JAVA MULTIPLAYER GAMES USING BYTECODE, WEBSITES USING

FIREBASE HOSTING, NODE.JS BACK-END AND MATERIALIZE.CSS, JQUERY, AND OTHER LIBRARIES FOR FRONT-END

- Comfortable in Java, Javascript, HTML, CSS and Scheme.
- Used Swift, Python, C++, C and Objective C in projects

## Extracurricular Activity

### FIRST Robotics Team - Purple Raiders

ON, Canada

STUDENT LEADER & PROGRAMMING CAPTAIN & MENTOR

Sept. 2012 - Present

- Created the STEM Play initiative to encourage STEM education in youth through LEGO robotics.
- Lead the Programming and General Team at Assumption High School
- Provided programming mentorship to other high schools and grade schools.

### Hackathons

International

PARTICIPANT

Feb. 2016 - Present

- Avid participant in hackathons, some projects include active face tracking, creating apps for GM vehicles, and making software that auto-aligns a car in their lane.
- I've been to: Hack the North, MasseyHacks I and II, Mhacks, Local Hack Day

## Awards

2016 **Winner**, MasseyHacks Hackathon

ON, Canada

2016 **Quarter-Finalist**, North Bay Regional Robotics Competition

ON, Canada

2015 **Winner**, The Southwestern International Robotics Competition

ON, Canada

2015 **Winner**, Dean's List Finalist - FIRST Robotics

ON, Canada