

Alessio Symons

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EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR HONOURS

BACHELOR OF COMPUTER SCIENCE

Expected 2021 | Waterloo, ON

ASSUMPTION COLLEGE HS

IB DIPLOMA

Grad. June 2016 | Windsor, Ontario

LINKS

Github:// [asymons](#)

Devpost:// [alessiosymons](#)

StackOverflow:// [Asymons](#)

LinkedIn:// [Alessio Symons](#)

COURSEWORK

Elementary Algorithm Design and Data Abstraction

Designing Functional Programs

Communications in Mathematics &

Computer Science

Algebra & Linear Algebra

Calculus 1 & 2

SKILLS

PROGRAMMING

2+ Years Experience

Java • Javascript • HTML • CSS • Git

6+ Months Experience

C • C++ • Python • Swift • Node.JS • SVN

Familiar:

MySQL • iOS • Android • Angular.js •

MongoDB

HACKATHONS

Bloomberg: Coding Hackathon

Hack The North

Local Hack Day

MHacks 8

MasseyHacks2

MasseyHacks

AWARDS

2016 Quarter Finalist - North Bay Robotics Competition

2016 MasseyHacks - 1st Place

2015 FIRST Robotics Dean's List Award

2015 Southwestern International Robotics Competition - 1st Place

EXPERIENCE

TD INNOVATION LAB | DEVELOPER INTERN

May 2017 – Present | Kitchener, ON

- Developed Android applications tested amongst TD employees.
- Pitched ideas and contributed to developing solutions to given challenges.

SOUNDSCAPE ENGINEERING | WEB DEVELOPER INTERN

May 2016 – January 2017 | Windsor, ON

- Developed a secure back-end using Node.js with oauth2 for client authentication.
- Incorporated a SSL certificate on the subdomain.
- Designed the front-end with 3 individuals to implement real time data graphs using d3.js.
- Optimized data load time from 15 seconds to 2 seconds for 300,000+ data points.

SENTIOMMG | SOFTWARE DEVELOPER INTERN

September 2015 – April 2016 | Windsor, ON

- Configured a Windows Embedded System on a Surface Pro 3 for non-invasive surgical equipment.
- Created an IOS app that displays informational video and pdfs about SentionMMG.

PROJECTS

DON'T LOOK | SHOULDER SURFING PREVENTION APPLICATION

- Worked in a team of 3 to produce a desktop application that hides sensitive information from people looking "over your shoulder".
- Communicated between a back-end and client-side through a socket server.
- Incorporated C++, Java, AppleScript and OpenCV into the application.

PING CHECKER | LEAGUE OF LEGENDS

- Developed a Java application for players to check their in-game ping.
- Created a GUI for users to configure their server location, see their IP Address and their ping range.

ADAS | AUTONOMOUS DRIVING SYSTEM

- Used a dashboard camera to track car lanes and give feedback to go straight or turn.
- Built using the OpenCV library and C++.

EXTRA CURRICULAR

FIRST ROBOTICS | PROGRAMMING CAPTAIN & MENTOR & VOLUNTEER

Sept 2012 – Present | Windsor, ON

- Developed operable and fully autonomous robots using Java on an embedded Linux system.
- Configured and wired sensors through CAN Bus and PWM that were used in PID closed-loop systems.
- Initiated a program known as STEM Play to encourage Science, Technology, Engineering and Mathematics education in youth through LEGO robotics.