

Alessio Symons

1B · HONOURS MATHEMATICS · STUDENT ID: 20650879

Contact me for Home Address

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

Skills Summary

TECHNICAL SKILLS

- Working Knowledge in Java, Javascript, HTML, CSS and Scheme.
- Basic Knowledge in Swift, Python, C++, C and Objective C.
- Previous projects include reverse engineering java multiplayer games using bytecode and creating websites with firebase, Node.js, JQuery, d3.js, materialize.css and other libraries.

TRANSFERABLE SKILLS

- Led community outreach events, robotics teams and hackathon projects.
- Developed teamwork skills through volunteering, robotics, hackathons and study groups.
- Consulted with customers about product inquiries which grew communication skills between co-workers and clients.

Experience

Freese Enterprise & Soundscape Engineering & SentioMMG

MI, USA

SOFTWARE DEVELOPER

Sept. 2015 - Present

- Started development on a Windows Embedded Operating System compatible with a Surface Pro 3 to run surgical equipment.
- Designed a website working with 3 individuals to implement real-time data graphs with d3.js that interacted with a MySQL data base and a Node.js back-end.
- Led the implementation the backend of a website, in a team of 3, using Node.js and Express that communicated with Google Cloud hosted MySQL servers.
- Created an IOS app in swift for product promotion that included a built-in PDF viewer and video player.

Extracurricular Activities

FIRST Robotics Team - Purple Raiders

ON, Canada

STUDENT LEADER & PROGRAMMING CAPTAIN & MENTOR

Sept. 2012 - Present

- Initiated the STEM Play initiative to encourage Science, Technology, Engineering and Mathematics education in youth through LEGO robotics.
- Led the Programming and General Team at Assumption High School
- Delivered programming mentorship to other high schools and grade schools.
- Quarter-Finalist in North Bay Regional Robotics Competition
- Won the Southwestern International Robotics Competition
- Won the Dean's List Finalist award which recognized one's contribution and proficiency within robotics competitions out of 1500 people.

Hackathons

International

PARTICIPANT OF HACK THE NORTH, MHACKS AND OTHERS

Feb. 2016 - Present

- Created active face-tracking application, gesture recognition technology and shoulder-surfing prevention desktop program that used the OpenCV library.
- Launched an app for GM vehicles in order to reduce pollution in Detroit, and reinvented automatic car alignment on high ways with a camera.
- Won the MasseyHacks Hackathon in 2016.

Education

University of Waterloo

ON, Canada

CANDIDATE FOR HONOURS BACHELOR OF MATHEMATICS

Expected 2021 Graduation

- Awarded a President's Scholarship entering the university.