

Alessio Symons

1B · HONOURS MATHEMATICS · STUDENT ID: 20650879

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Skills Summary

TECHNICAL SKILLS

- Working Knowledge in Java, Javascript, HTML, CSS, Node.JS, and Scheme.
- Basic Knowledge in Swift, Python, C++, C, Objective C and MySQL.
- Used Git and SVN for personal projects, hackathon projects and work projects.
- 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

- Organizer of community outreach events, leadership roles in robotics teams and leadership roles in hackathon projects.
- Capable team member with skills developed through volunteering, robotics, hackathons and study groups.
- An experienced communicator who spoke with customers about product inquiries which grew communication skills between co-workers and clients.
- An adaptive individual who is capable of receiving feedback and implementing improvements through previous work experiences.

Experience

Software Developer

ON, Canada

FREESE ENTERPRISE & SOUNDSCAPE ENGINEERING & SENTIOMMG

Sept. 2015 - Present

- Started development on a Windows Embedded Operating System compatible with a Surface Pro 3 to run surgical equipment which increased understanding of Windows systems.
- Designed a website working with 3 individuals to implement real-time data graphs that optimized data load time from 15s to 2s when plotting approximately 300,000 points on a graph using d3.js.
- Led the implementation the backend of a website as a lead developer, in a team of 3, which ensured secure connections using SSL, oauth and restricted MySQL users.
- Created an IOS app in swift for product promotion that included a built-in PDF viewer and video player.

Extracurricular Activities

Student Leader & Programming Captain & Mentor

ON, Canada

FIRST ROBOTICS TEAM - PURPLE RAIDERS

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 out of 52 teams.
- Won the Southwestern International Robotics Competition out of 21 teams.
- Won the Dean's List Finalist award which recognized one's contribution and proficiency within robotics competitions out of 1500 people.

Project Leader & Team Member

International

HACKATHONS: 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 out of 22 submissions.

Education

University of Waterloo

ON, Canada

CANDIDATE FOR HONOURS BACHELOR OF MATHEMATICS

Sept. 2016 - Present

- Awarded a President's Scholarship entering the university.