Michael Jonas

1B Mechatronics Engineering

Cell: 416-948-7078
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Website: http://michael-jonas.github.io/

SUMMARY OF QUALIFICATIONS

- *Languages:* Familiar with C++, VBA, Java, and Python
- *Web Development:* Exposure to HTML and CSS
- *Technologies:* Virtualization (VMware ESXi), Networking (OpenFlow), Linux (Ubuntu, Kali, Mininet)
- Experience with TI MSP430 microcontroller and electronics prototyping with Arduino
- Familiar with 3D and 2D design software such as SolidWorks and AutoCad
- Exceptional ability to communicate a variety of technical and non-technical topics

PROFESSIONAL EXPERIENCE

Hewlett-Packard Company   Mississauga, ON

Presales Solutions Architect   Jan 2015-May 2015

- Built a Software Defined Network (SDN) using OpenFlow protocol
- Developed an Excel macro to automate a weekly metrics email utilizing VBA and HTML
- Trained Inside Sales Representatives on Software-Defined Networking concepts and benefits

KEY PROJECT EXPERIENCE

Hack Western   March 2015

Mind Fan

- Modified a fan to be turned on with the mind and positioned with hand gestures
- Designed, programmed, and implemented the entire electronic system
- Effectively communicated our design, technology, and process to judges

Queen's Startup Summit   Feb 2015

Reedly: Business Development & Tech Liaison

- Aided with product development and design
- Computed potential revenue based on carefully planned sales funnel

Startup Weekend Youth Toronto   April 2014

EasyPantry: Business Development & Tech Liaison

- Conducted market research, developed marketing plan, and analyzed prospective finances
- Built and delivered a pitch for our minimum viable product to a panel of experts

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Shad Valley Carleton University   July 2013

Veno Technologies

- Selected for a four week intensive enrichment program focused on science, technology, and entrepreneurship
- Designed an infrastructure solution to improve the safety and efficiency of bicycle commuting
- Managed a team of 15 to develop a successful engineering, business, and marketing plan

EDUCATION

UNIVERSITY OF WATERLOO

Bachelor of Applied Science, Mechatronics Engineering

Sep 2014 – May 2019 (expected)

Relevant Courses: Intro to Mechatronics Engineering and Graphics, Digital Computation, Data Structures and Algorithms, Circuits

Societies and Clubs: Academic Class Representative, Biomechatronics Club

AWARDS

- Loran Finalist Award Recipient, $3000 (2014)
- University of Waterloo President's Scholarship of Distinction, $5000 (2014)
- Colonel Hugh Heasley Engineering Scholarship, $10,000 (2014)

ACTIVITIES & INTERESTS

Sports: Hockey, Ultimate, Volleyball, Soccer

Leisure: Physics/astrophysics books, Netflix, Marvel Cinematic Universe

Performance: Stand-up, Improvisational, and Sketch Comedy