

SKILLS SUMMARY

Hardware

- Circuits and electronics; operational amplifiers, digital/analog multimeters, function generators, oscilloscopes, VHDL, microcontrollers, FPGAs, latches, flip flops, counters.

Software

- Object-oriented programming in C#, Java, and Python.
- Embedded systems: Android SDK and TI MSP430 microcontroller.
- Web design with HTML, XML, CSS and document design with L^AT_EX.
- Experience with Subversion for version control in team-based programming projects.

Other

- Ability to work independently developed by working as an Accounts Payable Specialist.

EDUCATION

- **Candidate for Bachelor of Applied Science** Waterloo, ON
University of Waterloo *Sept. 2012 - Present*
 - **Relevant Assignments:**
 - Android Map Navigation**
 - * Designed an Android application to navigate a user past obstacles to a chosen destination.
 - * Data from sensors is used determine the user's position and orientation.
 - Programming a Digital Elevation Model**
 - * Extracted and manipulated data from a file for the elevation of Lake Tahoe.
 - * Systematically calculated outliers within the two-dimensional array of data.
 - **Relevant Courses:** Engineering Design with Embedded Systems, Fundamentals of Programming, Digital Circuits and Systems
- **Ontario Secondary School Diploma** Toronto, ON
Earl Haig Secondary School *June 2012*
 - **Relevant Assignments:**
 - Database Project**
 - * Programmed a database in Python with a graphical user interface and file reading and writing capabilities.
 - * Coded functions for sorting, searching, adding, deleting and importing graphical objects.

WORK EXPERIENCE

- **Accounts Payable Specialist** Toronto, ON
Sushi Inn *July 2009 - Aug. 2012*
 - Administered payroll for employees using Excel and calculated tax deductions using the Payroll Deductions Calculator.
 - Paid bills by writing cheques and submitting online payments.
 - Trained and supervised replacement.
 - Performed busboy duties when required; cleaned and set tables, cleared dishes and carried food.

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VOLUNTEER EXPERIENCE

- **Events Volunteer** Toronto, ON
 - ***City of Toronto Parks*** *Nov. 2009 - May 2011*
 - Assisted at prominent events in the City of Toronto such as the Cavalcade of Lights, St. Lawrence Market Festival, and Cultura Festival.
 - Worked with other volunteers as a team to set up, run and pack up large events.
 - Assisted participants with problems and informed visitors of scheduling, location, and events.

AWARDS

- **Dean's Honour List** , University of Waterloo, Waterloo, ON *March 2013*
- **President's Scholarship** , University of Waterloo, Waterloo, ON *August 2012*
- **Business Certificate** , Earl Haig Secondary School, Toronto, ON *May 2012*

ACTIVITIES AND INTERESTS

Languages: C#, Java, Python, VHDL, HTML, CSS, L^AT_EX

Applications: Eclipse, Visual Studio, L^AT_EX, Microsoft Office, Photoshop, Altera Quartus II VHDL
FPGA Design, Subversion

Lab Skills: Digital/Analog Scopes, Digital Multimeters, Function Generators

Sports: Ultimate Frisbee, Cross-Country Running

Memberships: Programming Club, Engineering Club, Aviation Club