

TIMOTHY TONG

1B Computer Engineering

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TECHNICAL SKILLS

- Java, C#, Objective-C, Visual Basic, SQL, VHDL
- Eclipse, Xcode, BlueJ, Greenfoot, Visual Studio
- Windows (XP, Vista, 7, 8), Mac OSX, Ubuntu
- Cadsoft Eagle, iWork, Aperture, Sony Vegas Pro, Flash, Microsoft Office
- Android and iOS app developing

SUMMARY OF QUALIFICATIONS

- Three years of Java programming experience, in-depth understanding of the object-oriented programming paradigm
- Proactive and eager to learn; currently self-learning of Xcode, an Integrated Development Environment (IDE) based on Objective-C for iOS application developing
- Obtained through prior troubleshooting experience, the ability to quickly fix issues encountered in an operating system or software
- Diligent and self-disciplined individual and be able to work independently
- Developed the character to be an effective, cooperative, and dedicated team player, through the project collaboration and event participation

DESIGN TEAM

- **Printed Circuit Board**, Formula SAE Design Team Nov. 2013 – Present
 - Self-taught Cadsoft Eagle and used this software application to draw a circuit board for a surface-mount pressure sensor in collaboration with 2 other teammates
 - Researched on reverse voltage protection and implemented it in the circuit board design
 - Obtained teamwork experience and improved communication skills

RELEVANT PROJECTS

- **Java Culminating Project**, Gr.12 Computer Science Apr. 2012 – June 2012
 - Worked with 3 other teammates and created a software application that assists teachers in keeping track of their students' learning performances
 - Took on the leadership role and guided the progress of the team members
 - Wrote over 1000 lines of code independently
- **Greenfoot Project**, Gr.11 Computer Science Nov. 2011 – Jan. 2012
 - Created a game in Java using an IDE called Greenfoot
 - Wrote over 500 lines of code independently
 - Link: <http://www.greenfoot.org/scenarios/4063>

AWARDS AND ACHIEVEMENTS

- **Grade 12 Chemistry Subject Award**, Pierre Elliott Trudeau H.S., Markham, ON June 2013
 - Awarded for achieving the highest mark in grade 12 – 95%
- **President's Scholarship of Distinction**, University of Waterloo, Waterloo, ON June 2013

EDUCATION

Candidate for Bachelor of Applied Science

Sept. 2013 – Present

Honours Electrical Engineering, Co-operative Program, University of Waterloo, Waterloo, ON

- Relevant course content: Linear Circuits, Engineering Design with Embedded Systems, Android Application Developing, Software Lifecycle Models, Development Tactics and Design Patterns, Digital Circuits and Systems

VOLUNTEERING EXPERIENCE

- **Math Peer Tutoring**, Pierre Elliott Trudeau High School, Markham, ON Sept. 2011 – June 2013
 - Assisted students who needed help with their Math course materials and assignments in a regular basis, answered questions and cleared misconceptions
 - Organizational and communication skills improved remarkably as a result