

# Jason Fang

1B Software Engineering | ID #: 20519284

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<https://github.com/jasonf7>

## PROFESSIONAL PROFILE

- High programming proficiency in Java, C/C++, Python
- One year of experience developing apps for clients using agile methodologies, developing strong communication skills and client relationships
- 2 years experience of developing Java GUI applications
- One year experience designing and developing for the web using HTML5/CSS3/JavaScript
- Worked as a team lead in a software design project to program functionality to robots using Python and the Myro reference library
- Knowledgeable in version control methods such as Git
- Proficient with the Bash Unix Shell and Windows Command Prompt
- Highly experienced in word-processing software such as L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, and OpenOffice

## RELATED EXPERIENCE

### *Software Developer*

TechU.me Program, Kanata, Ontario

January - June 2013

- Designed and created educational cross-platform apps for grade 4 children based on given requirements using HTML5, CSS3, JavaScript, jQuery, and MelonJS
- Incorporated agile methodologies and followed the development cycle by calling daily scrums and making weekly sprints
- Developed for the BlackBerry Playbook using WebWorks
- Designed, edited, and prepared custom sprites and images based off client sketches with Adobe PhotoShop

### *Competed in the Waterloo Engineering Competition*

University of Waterloo, Waterloo, Ontario

Nov. 2013

- Developed an apparatus as a team to solve a real world problem while taking into account budget, material, and time constraints
- Presented the prototype's design and demonstrated its functionality in front of industry professionals

## PROJECTS

### *Command and Conquer*

Java Application

June 2011

- Sophisticated and user-friendly Java GUI application based off the popular board game RISK
- Heavily incorporates concepts such as object-orientated programming and inheritance
- Prepared detailed UML diagrams prior to the development process to structure the program

EDUCATION	<b>Candidate for <i>Bachelor of Software Engineering</i>, Honours Software Engineering</b> University of Waterloo, Waterloo, ON.	September 2013 - Present
	<b><i>Ontario Secondary School Diploma</i></b> Earl of March Secondary School, Kanata, ON.	June 2013
RELEVANT COURSES	<b>Programming Principles</b>	September - Decemeber 2013
	<ul style="list-style-type: none"><li>• Programmed extensively in C99</li><li>• Incorporated various basic algorithms and data structures in advanced programs</li></ul>	
	<b>Introduction to Data Abstraction and Implementation</b>	January 2014 - Present
	<ul style="list-style-type: none"><li>• Developed skills in object orientated programming in C++ using elementary data structures and types</li><li>• Knowledge of the C/C++ memory model and usage</li></ul>	
	<b>Introduction to Methods of Software Engineering</b>	September - December 2013
	<ul style="list-style-type: none"><li>• Developed various Python scripts and functions to add realistic behaviour and A.I. to a robot in a group setting</li><li>• Improved upon teamwork skills and developed a leadership role in the project</li><li>• Learned about the ethics and law related to engineering</li></ul>	
AWARDS AND ACHIEVEMENTS	<ul style="list-style-type: none"><li>• President's Scholarship - University of Waterloo, 2013: Awarded to students with an entrance average from 90-94.9%</li><li>• Faculty of Mathematics Entrance Scholarship - University of Waterloo, 2013: Awarded to students with exceptional mathematical ability applying for the math faculty</li><li>• Euclid Mathematics Contest Top 10% - University of Waterloo, 2013</li><li>• Subject Awards in Advanced Functions, Calculus and Vectors, Data Management and Probability - Earl of March Secondary School, 2013: Awarded to the student(s) with the highest mark in the given course in the current year</li><li>• Silver Medal - Earl of March Secondary School, 2009-2013: Awarded each year for students with an average above 90%</li></ul>	
ACTIVITIES AND INTERESTS	<ul style="list-style-type: none"><li>• Co-Founder: Strategic Gaming Club</li><li>• Coordinator and Tutor: Peer Tutoring Club</li><li>• Member: Debate and Computer Club</li><li>• Websites: <a href="http://stackoverflow.com">stackoverflow.com</a>, <a href="http://reddit.com/r/programming">reddit.com/r/programming</a></li><li>• Sports: Badminton, Basketball</li></ul>	