

Jason Fang

1B Software Engineering | ID #: 20519284

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PROFESSIONAL PROFILE

- High programming proficiency in Java, C/C++, Python, JavaScript
- One year of experience developing apps for clients using agile methodologies, developing strong interpersonal skills and client relationships
- Designed and developed 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
- Familiar with the Bash Unix Shell and Windows Command Prompt
- Experienced in word-processing software such as L^AT_EX, Microsoft Office, and OpenOffice

RELATED EXPERIENCE

Software Developer

TechU.me Program, Kanata, Ontario

January - June 2013

- Designed and created educational 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

Advanced Mathematics Tutor and Center Supervisor

Kumon, Kanata, Ontario

Feb. 2009 - June. 2013

- Explained and clarified advanced mathematical concepts to deepen the students' understanding
- Managed and maintained ideal classroom flow to optimize the students' work efficiency

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