

Jason Fang

1B Software Engineering | ID #: 20519284

(519)501-6528

jason.fang.1@uwaterloo.ca

www.linkedin.com/in/jzfang

<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^AT_EX, 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	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• Websites: stackoverflow.com, reddit.com/r/programming• Sports: Badminton, Basketball	