

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

Waterloo Engineering Competition Participant

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 *Bachelor of Software Engineering*, Honours Software Engineering,
University of Waterloo, Waterloo, ON. September 2013 - Present
- *Ontario Secondary School Diploma*, Earl of March Secondary School,
Kanata, ON. June 2013

**RELEVANT
COURSES**

- Programming Principles:
 - Programmed extensively in C99
 - Incorporated various basic algorithms and data structures in advanced programs

**AWARDS AND
ACHIEVEMENTS**

- Introduction to Data Abstraction and Implementation:
 - Solid knowledge of OOP in C++

**ACTIVITIES
AND
INTERESTS**

- Introduction to Methods of Software Engineering:
 - 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
- 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%
- Co-Founder: Strategic Gaming Club
- Coordinator and Tutor: Peer Tutoring Club
- Member: Debate and Computer Club