

# Jason Fang

2A Software Engineering | ID #: 20519284

(519)501-6528  
jason.fang.1@uwaterloo.ca

www.linkedin.com/in/jzfang  
https://github.com/jasonf7

## PROFESSIONAL PROFILE

- Highly skilled in PHP web development for commercial and public clients
- Fluent in Java, with over 2 years of app development with Swing API.
- Proficient with various scripting languages, including Shellscript, Perl, and TCL
- Adept in app development, with experience for both BlackBerry and Android
- Knowledgeable in the application of various TCP/IP application layer protocols
- Familiar in C/C++, Python acquired from projects and university courses
- Experienced with version control, including Git and CVS.

## RELATED EXPERIENCE

### *7705 SAR Tools Developer*

Alcatel-Lucent Inc., Kanata, Ontario

May - August 2014

- Improved frontend functionality of test status page using PHP and Perl CGI Scripts
- Redesigned the regression webpage backend to use web services, improving load performance and scalability
- Added new functionality to the Shellscript/TCL regression tools
- Automated daily tasks for server updates and maintenance using Bash/TCL Expect scripts
- Installed, and configured CentOS testbed servers into the regression network
- Utilized various network protocols including FTP, HTTP,SMTP, NTP, Telnet.

### *Software Developer*

TechU.me Program, Kanata, Ontario

January - June 2013

- Designed and created educational cross-platform game apps for public school clients in a public school using HTML/CSS/JavaScript/jQuery and MelonJS game engine
- Incorporated agile methodologies by following the development cycle by calling daily scrums and making weekly sprints
- Developed for the BlackBerry Playbook platform using WebWorks and PhoneGap
- Designed and edited custom sprites based off client sketches with Adobe PhotoShop

## PROJECTS

### *Lead Developer - Scribbler S2 Robot Design Project*

University of Waterloo, Waterloo, Ontario

Sept. - Dec. 2013

- Developed Python scripts using Myro to add pet-like behaviour to a robot
- Integrated behaviour scripts from teammates together with a console UI

### *Command and Conquer*

Java Application

June 2011

- Sophisticated and user-friendly object-orientated Java Swing game based off RISK
- Prepared detailed UML diagrams to structure the program beforehand

### *ClothingTrackr*

Android App

Sept. 2014 - Present

- Keeps track of clean/dirty clothing and gives recommendations based on the weather

## EDUCATION

### *Candidate for Bachelor of Software Engineering, Honours Software Engineering*

University of Waterloo, Waterloo, ON.

September 2013 - Present

- Dean's Honours List: Acquired for all academic terms (1A, 1B)
- Faculty of Mathematics Entrance Scholarship: For academic excellence in high school mathematics

## ACTIVITIES INTERESTS

**Programming Contests:** Canadian Computing Competition (CCC) - Junior/Senior levels

**Hackathons:** Participated in various hackathons - ENGHack, SEHack, Facebook Hack

**Sports:** Competitive/Recreational Badminton and Volleyball