

Jason Fang

2A Software Engineering | ID #: 20519284

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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
- Comfortable developing in a LAMP environment
- Adept in app development, with experience for both BlackBerry and Android
- 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