YI FAN ZHANG

2B Computer Science
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SUMMARY

- Competent in C++, Java, C#, Python, Visual Studio/Eclipse, Git/SVN, Selenium&JIRA, Android development and development on Linux system
- Working knowledge of MVC web development with HTML, CSS, SQL, JavaScript, Node.js and frameworks&libraries including AngularJS, Bootstrap and JQuery
- Project experience in game development with Unity, OpenGL and SFML, and 3D modeling with Blender
- In-depth understanding of algorithm analysis and data structures including red-black tree, binary heap and hash table. Fundamental sorting, searching techniques and complexity theory
- Lab Experience in ARM microprocessor Assembly programming and Altera FPGA VHDL programming
- Experience in working in a fast-paced, teamwork environment and agile development

EXPERIENCE

R&D Developer/Mobile Test Automation Developer   **Jan 2016 – April 2016**
Pelmorex Media Inc. – Oakville, ON
- Performed R&D on functional test automation, a Java-written integrated system to send requests with data, parse and execute them on app, which uses libraries such as HttpUrlConnection and NanoHTTPD
- Implemented fundamental UI events with Android uiautomator library for automated UI testing
- Helped reduce manual testing on Android app and thus one colleague transferred to iOS development

System Level Test Engineer   **May 2015 – Aug 2015**
Tyco Security Products Canada – Vaughan, ON
- Developed sensor-to-server wireless communication verification Coronys ETS scripts
- Implemented RF-control on sensor simulators to avoid spamming requests upon signal interference and system resume by unregistering and re-registering sensor simulators with Windows Device Console

PROJECT

Personal Website - Web Development
https://yf22zhan.github.io
- Personal website written using HTML, CSS, Bootstrap, JavaScript, JQuery and PHP

Node.js Web Crawler
https://github.com/yf22zhan/Node.js-Web-Crawler
- A Web Crawler implemented in Node.js to asynchronously while frequency-limitedly fetch daily articles from a Chinese Node.js developer forum

EDUCATION

Bachelors of Computer Science, Honours, Co-operative Program   **Sept. 2014 - Present**
University of Waterloo, Waterloo, ON