

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
- Excellent communication and problem-solving skills with an eager heart for learning

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

Android Personal CV

<https://github.com/yf22zhan/IvanCV>

- Implemented with use of Google Maps API, SQLite, ViewPager, and StickyScrollView

Interactive Map Application - Android Application

- Collaborated with a lab partner to create an Android app that guides users in navigating the interior of a building which implements path-finding algorithm, sensor low-pass filter and directional step counter

EDUCATION

Bachelors of Computer Science, Honours, Co-operative Program

Sept. 2014 - Present

University of Waterloo, Waterloo, ON