

YI FAN ZHANG

2B Computer Science

Website: <https://yf22zhan.github.io>

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

Phone: 519-781-2227

Email: yf22zhan@uwaterloo.ca

Address: 141B Weber St N, Waterloo, ON, N2J 3G9

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

Candidate for Bachelors of Computer Science, Honours, Co-op

University of Waterloo, Waterloo, ON

Sept. 2014 - Present

GPA 3.85