

Xiang (Roger) Wang

9 Spall Court
Toronto, ON, M1C 0B2

(+1) 647-962-0722
xiangroger.wang@mail.utoronto.ca

Skills

Technical

- Proficient with programming languages: C, Java, Python, Scheme, Haskell, and Unix Shell scripts
- Knowledge of web designing: HTML, CSS, JavaScript, PHP as well as frameworks including Bootstrap
- Adept at Database: MongoDB and SQL
- Experienced Continuous Integration and familiar with Jenkins, Chef.io
- Experienced with software testing using Junit, Mockito, HP Quality Centre, PhantomJS and Selenium.
- Web development experience with Django and Amazon Web Services (AWS)
- Proficient with Pycharm, Eclipse, Apache Maven, JIRA, Visual Spec, Android SDK, and Visual Studio
- Academic knowledge about data structure, computer network, cyber security, the theory and practice of large-scale software system design, development, and deployment and Agile development methods
- Operating Systems: Microsoft Windows, Mac OS, and Unix/Linux (Ubuntu and CentOS)

Interpersonal

- Communication and teamwork skills developed through work experience as an IT QA Assistant
- Strong problem solving and analytical abilities exhibited through work and school
- Strong critical thinker with effective researching skills proven through work experience as a Technical Systems Analyst

Work Experience

University of Toronto Scarborough

May 2015 – August 2016

Student Software Developer

- Developed a web application to track online dissemination of news articles as part of understanding digital media's role in globalization, and this application will be released by U of T at the end of 2016
- Maintained a website powered by Django to allow client to control all the websites and criteria, as well as manage collected data to narrow the visualizations
- Supported professionals of different backgrounds such as Professors in the Department of Computer and Mathematical Sciences, and the Digital Scholarship Unit at the library to convert their ideas into technical requirements.

Parsel Inc.

September – December 2015

Software Developer Co-op

- Contributed to designing, engineering, and testing features and functionality for the native e-commerce advertising platform
- Significantly accelerated the software deployment process by developing and maintaining a new continuous integration system for the development team using tools including Jenkins, AWS Opswork, and Chef.io
- Developed and improved testing suites for headless testing of the web application as a part of continuous integration process using PhantomJS and Selenium
- Received outstanding appraisal from employer for strong problem solving skills, hard working, and taking initiative at work

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Ontario Ministry of Education - Community Services I&IT Cluster

January – May 2015

IT QA Assistant Co-op

- Composed and executed automated software test plans, cases and scripts to uncover, identify and document software problems and their causes, using HP Quality Center and Visual Studio Team Foundation Server
- Represented QA group in project status meetings to report testing status and collect customer feedback
- Worked closely within an Agile project team environment under the leadership of the Project Manager, and co-operated with developers and business analysts to solve software defects and business issues
- Received excellent feedback in the Co-op work term evaluation for high quality of work, creativity, and being dedicated and enthusiastic

RBC Capital Markets

January – May 2014

Technical Systems Analyst Co-op

- Developed applications with Java and Eclipse in various financial risk management infrastructure projects that employ cutting-edge technology and gained business domain knowledge
- Supported the professional Global Risk Architect to investigate, analyze and use the latest technology to prototype new business solutions
- Composed presentations about MongoDB and Ehcache to inform developers of features and advantages compared to the technology that they are currently using
- Documented and executed test cases on newly developing applications using Junit, and used JIRA for problem reporting.
- Detected an application defect that had been existing for 3 years at RBC by reviewing Junit test cases

Education

University of Toronto

September 2012 – November 2016

Honours of Bachelor of Science with High Distinction

- Specialist (Co-operative) Program in Computer Science — Software Engineering Stream
- Minor Program in Economics for Management Studies

Awards

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| • University of Toronto Dean's List | 2015, 2016 |
| • University of Toronto Scarborough Honours | 2014 |
| • University of Toronto Scarborough Computer Science Excellence Award | 2014 |

Projects

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- Developing the open-source software package "UTMediaCAT" to track, archive, and visualize online citations across news media, especially linking to and mentioning of Israeli English online journalism using Django and Python. This project has been presented at 2016 Code4Lib Conference.
 - Contributed to a python open-source 2D plotting library "matplotlib" as the practice of the Software Engineering courses
 - Developed an application for hospitals to monitor patient information using Java and Android SDK
 - Developed Version Report tool to get most common used libraries across Maven projects using Java
 - Developed a light version of Dropbox using C, which allows a user to save files on the server and automatically synchronize the files between the server and clients.