

# Xiang (Roger) Wang

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Canada

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## Skills

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### Technical

- Proficient with: C, Java, Python, Scheme, Haskell and Unix Shell scripts
- Strong skills in web development: HTML, CSS, JavaScript/jQuery, PHP and Django web framework
- Experienced with Android Development: Android SDK
- Knowledge of Database: MySQL, PostgreSQL, SQLite and MongoDB
- Experienced Continuous Integration and familiar with Jenkins and Chef.io
- Development experience on DigitalOcean and Amazon Web Services (AWS)
- Experienced unit, integration, system, regression, and AODA Testing using tools such as Mockito, HP Quality Centre, PhantomJS and Selenium.
- Operating Systems: Microsoft Windows, Mac OS, and Unix/Linux (Ubuntu and CentOS)
- Familiar with Git, SVN, Pycharm, Eclipse, Visual Studio, JIRA, and Apache Maven
- 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

### Interpersonal

- Communication and teamwork skills developed through work experience as an QA Assistant
- Strong critical thinker with effective researching skills proven through experience as Software Developer

## Education

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### 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

## Work Experience

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### advertience Inc.

January 2017 – June 2017

#### Lead Software Developer

- Architected, implemented and managed a web application from scratch to analyse the data provided by Google's advertising platforms using Django, Python and jQuery.
- Managed the deployment and maintenance of the web application on Ubuntu using uWSGI, nginx and crontab.
- Integrated the application with Google APIs including Adwords, DCM/DFA Reporting And Trafficking, and Google Analytics.

### University of Toronto Scarborough

May 2015 – August 2016

#### Research Assistant - Software Developer

- Developed a web application to track online dissemination of news articles as part of understanding digital media's role in globalization
- 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
- Worked closely with professionals of different backgrounds such as Professors in the Department of Computer and Mathematical Sciences, and the Digital Scholarship Unit at the library

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## Parsel Inc.

September 2015 – December 2015

### Software Developer Co-op

- Developed and maintained a continuous integration system for the development team using tools including Jenkins, AWS Opswork, and Chef
- Instrumental in designing, engineering, and testing features and functionality for the native e-commerce advertising platform
- Developed testing suites for headless testing of the web application as a part of continuous integration process using PhantomJS and Selenium

## Ontario Ministry of Education - Community Services I&IT Cluster

January 2015 – May 2015

### Quality Assurance Assistant Co-op

- Received excellent feedback in the Co-op work term evaluation for high quality of work, creativity, and being dedicated and enthusiastic
- 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
- Created 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

## RBC Capital Markets

January 2014 – May 2014

### Technical Systems Analyst Co-op

- Received outstanding appraisal from employer for strong problem solving skills, being a quick learner and taking initiative at work
- Developed applications with Java and Eclipse in various financial risk management infrastructure projects that employ cutting-edge technology and gained business domain knowledge
- Worked closely with the professional Global Risk Architect to investigate, analyze and use the latest technology to prototype new business solutions

## 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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- Developed 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.