

ROSE XU

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SKILLS PROFILE

- Languages: Proficiency in Java, Python, and JS/HTML/CSS; familiarity with Scala, C, Scheme, and JSP
- Tools and Frameworks: experience using git, bash, Solr, Grunt, Bower, Eclipse, and Sublime; Full-stack web development experience with jQuery, Bootstrap, AngularJS, Backbone, Flask, Spring, Play! and MongoDB
- Excellent teamwork and time management skills developed through participation in multiple sports teams throughout high school and university as well as collaboration in various group hackathon projects
- Independent, driven, and a quick learner: self-taught myself python following an online course offered by MITx in high school; participated in 7 hackathons to date
- Familiar with Windows operating system and Unix environment; Fluent in English and Mandarin; Working proficiency in French

EDUCATION

University of Waterloo 2014 – 2019[expected]

- Candidate for *Bachelor of Computer Science and Financial Management*; Cumulative Average: 91.4%
- Activities and Societies: Varsity Ultimate Frisbee Team, Women in Computer Science Committee, Intramurals Scorekeeper/Referee

EMPLOYMENT HISTORY

Software Developer Co-op, Loblaw Digital 5/4/2015 — 8/28/2015

Toronto, ON

- Worked on full-stack, mobile-responsive web development on the Spring and Backbone framework for Loblaw's *Click and Collect* system; wrote code in Java, JSP, Javascript, and CSS/LESS using Agile methodologies
- Added key new features including a search bar to the "Getting Started" flow, completely revamped the "Store Locator" page, worked extensively with Google Maps API, implemented new Solr core for recipe search, and refactored code for better structure and to improve performance
- Participated in code reviews and worked with the QA team to ensure code is production-ready

Intramurals Scorekeeper/Referee, UWaterloo Campus Recreation 9/15/2014 — 4/1/2015

Waterloo, ON

- Maintained team satisfaction through detailed tracking of all administrative tasks including checking rosters, keeping score, managing time, and communicating with the participating teams
- Resolved and prevented conflicts through careful management of the game and strictly enforcement of rules
- Ensured the safe running of the game and encouraged good sportsmanship

PROJECTS [GITHUB.COM/ROSEXU]

SlangLang

- A Chrome extension that shows the user the definition of any word (slang and proper English) the user highlights in the Chrome browser. Download it here: <https://goo.gl/p14GWZ>
- Implemented in Javascript using jQuery; utilized concepts such as callbacks, ports, and message passing

The Resistance (In Progress)

- Real-time mobile multiplayer player web game that allows users to play the board game "The Resistance" without the physical board game
- Built REST API in Scala using the Play! Framework with Websocket to support real-time updates, AngularJS for frontend, and MongoDB for data storage

Web Sight [MHacks Group Project]

- An app designed to help the blind browse the web by tracking finger movements using a Leap Motion and displaying them as five cursors on websites. Depending on which type of HTML elements each cursor hovers on, it sends different tactile to each finger through a special glove; placed in the top 30 out of 270 teams

University Match

- Developed an interactive program that takes user inputs and Maclean's University Report to create a tailored list of universities that best suits the student user
- Built using Java in Netbeans IDE; designed multiple GUIs; implemented data retrieval and parsing from text files; invoked various sorting algorithms

AWARDS

Bloomberg Aptitude Test (BAT) score in the 95th percentile

(August 2014)

Dean's Honour List

(since Fall 2014)

Computing & Financial Management Entrance Scholarship

(September 2014)

Joan Atwood Trophy for Female Athlete of the Year

(2013, 2014)

Scored in top 25% at Thornhill Debating Tournament

(October 2013)