

ROSE XU

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TECHNICAL SKILLS

Languages:

Proficient in:

Java • Python • JavaScript • PHP

Experience with:

MySQL • Scala • C++ • Ruby • HTML
CSS • Bash

Tools and Frameworks:

Web Frameworks:

Backbone, Flask, Spring, Play!

Other:

Git, MongoDB, Solr, Presto, Unit and
Integration Testing tools

EDUCATION

UNIVERSITY OF WATERLOO

2014 – 2019 (expected)

Computer Science and

Combinatorics and Optimization

Cumulative Average: 92%

Independent Courses (Coursera):

Functional Prog. Principles in Scala

Machine Learning (current)

OTHER ENDEAVOURS

- Varsity ultimate frisbee team member
- Intramurals Basketball Referee

AWARDS

K.C. Lee Computer Science
Scholarship (Nov 2016)

Dean's Honour List (every term)

INTERESTS

Academic: Functional Programming,
Natural Language Processing,
Linguistics

Other: Ultimate Frisbee, Biking,
Hiking

WORK EXPERIENCE

SLACK | Backend Engineering Intern | Growth Team

San Francisco, Aug – Dec 2016

- Built the infrastructure for batch sending emails in PHP and MySQL that has since been extended to send out over 4 million emails
- Owned the slackbot welcome post from technical design to development to iterating based on analytics and user feedback
- Collaborated with the mobile team to build the backend for Slack's first all-purpose push notification

UNIVERSITY OF WATERLOO | Undergraduate Research Assistant

Waterloo, May – Aug 2016

- Implemented SQL query rewrites in Common Lisp in the setting of ontology-based data access

INKLING | Software Engineering Intern | Full-Stack

San Francisco, Jan – Apr 2016

- Development on Inklings's authoring product, *Habitat*, using JavaScript (ES6), Python, and Ruby
- Iterated on *Habitat's* inline editing tool; wrote unit tests for every change pushed to production
- Picked up Ruby on Rails and added custom logging utilities for monitoring HTTP requests to identify performance bottlenecks

LOBLAW DIGITAL | Software Developer Intern | Full-Stack

Toronto, May – Aug 2015

- Java and JavaScript development on the Spring and Backbone framework for Loblaw's *Click and Collect* system
- Launched key new features including a search bar to the "Getting Started" flow, a complete revamp of the "Store Locator" page and a new solr core schema for searching recipes

PROJECTS

THE RESISTANCE (In Progress)

- Real-time mobile multiplayer web-based game built using Scala, WebSocket, and MongoDB that allows users to play the board game "The Resistance" online

SLANGLANG

- A Chrome extension that shows the user the definition of any word (slang and proper English) the user highlights in the browser. Download it here: <https://goo.gl/p14GWZ>