

Robert Lai

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Summary of Qualifications

- Front-end JavaScript web development with React and Redux
- Cross-platform mobile application development with React Native
- Back-end web development in Python, Ruby, Node.js
- Solid foundation in object-oriented design and programming in Java and C++
- Experience using Git for version control

Experience

AdRoll

Full Stack Engineer

May – August 2017
San Francisco, California

- Worked on back-end server and API in Python with Flask, PostgreSQL, SQLAlchemy
- Made updates to React/Redux front-end and contributed to a shared component library
- Added integrations to support new features from Facebook Ads API
- Tracked issues in JIRA, and participated in code review on GitHub

Drop Loyalty

Software Developer

August – December 2016
Toronto, Ontario

- Worked on mobile application in JavaScript with React Native and Redux
- Added supporting Ruby on Rails back-end code for new features
- Wrote automated tests for back-end code using RSpec and Cucumber frameworks

Mappedin

Software Developer

January – April 2016
Kitchener, Ontario

- Worked on front-end CMS web application with React, Flux, Sass
- Developed tools to accelerate the company's internal processes
- Implemented unit testing with Mocha, Chai, Sinon

Irdeto

Junior Quality Assurance

May – August 2015
Ottawa, Ontario

- Automated system-level tests using Python scripts
- Performed manual testing of embedded software on Raspberry Pi
- Created a web dashboard with data visualizations using Fluentd, Elasticsearch, Kibana

Projects

TreeTalk – Web-based messaging application, created at UW EngHack S16

June 2016

- Visually organizes conversations in a tree structure, with messages branching out
- Written in JavaScript with React, D3.js, Node.js, MongoDB

Discord Image Collector – Tool for aggregating images in Discord

March – April 2016

- Integrates with Imgur API to upload images and retrieve albums
- Built in Node.js using discord.js module to communicate with Discord API

Education

University of Waterloo

Candidate for Bachelor of Software Engineering

September 2014 – present
Waterloo, Ontario