

# Chandler Lei

2B Computer Engineering



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## Technical Skills —

### Languages

- JavaScript, Python, C/C++, Ruby, Java, HTML/CSS

### Frameworks/Libraries

- Ruby on Rails, ReactJS, Django, Flask, jQuery, Bootstrap, FontAwesome, Gmail API

### Other Tools

- Linux, Git, SVN, CircleCI, Docker, PostgreSQL, Redis, Salesforce, Heroku

## Other Skills —

- Strong desire and ability to share and receive feedback in a team setting
- Expertise in complex data structures and algorithms
- Extensive knowledge of product development life cycles and Agile methodologies

## Awards —

- BDC Hackathon Winner (March 2019)
- Big Data Challenge Data Science Award (February 2017)
- 3 time Term Dean's Honours List member (1A, 1B, 2A)
- President's Scholarship of Distinction (September 2017)

## Interests —

- Competing in intramural sports (Frisbee, Basketball)
- Following smartphone and mobile device trends
- Discovering upcoming technologies
- Cooking and learning new recipes

## Work Experience

### Full Stack Developer, Lending Loop, Toronto, ON

January - April 2019

- Solely implemented new signup process for Rails app including all views, controllers, validations, tests, and styling
- Created API endpoints to communicate with Django app and send emails to specified users
- Executed large PostgreSQL database migrations for database refactoring and new features
- Routinely wrote tests using RSpec, increasing the total test coverage by around 6%

### Infrastructure Engineer, BMO Financial Group, Toronto, ON

May - Aug 2018

- Increased the functionality of the DataPower system by creating Bash shell scripts for certificate uploading
- Deployed project builds on Bamboo and Ansible, allowing for testing and continuous integration
- Produced Ansible YAML playbooks to run project builds, resulting in a seamless developer to developer connection

## Projects

### Gmail Chrome Extension

February 2019

- Sent XHR requests to the Gmail API to retrieve user data and display previews of unread messages in a chrome extension
- Utilized OAuth 2.0 to provide secure login and authentication

### Android Quiz App

September 2018

- Created an intuitive, user-friendly, graphical interface through XML layouts
- Stored quiz questions and historic game data using a Java back end and SQLite database

## Competitions

### Winner, Business Development Bank of Canada Hackathon, Montreal, QC

March 2019

- Designed a sleek ReactJS front end powered by a Flask back end through XHR requests
- Cached user browsing history with Redis and provided personalized product suggestions

### Winner, Stem Fellowship Big Data Challenge, Toronto, ON

February 2017

- Filtered and extracted relevant data from 500,000 JSON files through Python and created tables and graphs using R
- Scheduled and divided work in a 4-person team to ensure project completion before the deadline

## Education

Candidate for BAsC, University of Waterloo  
Cumulative GPA of 89.61%

Sept 2017 - Present