

# Michael Lin

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## SKILLS

### LANGUAGES

Python • JavaScript  
HTML • CSS • Ruby

### FRAMEWORKS/TOOLS

ReactJS • NodeJS • Flask  
Rails • PostgreSQL • Docker  
AWS • Bluemix

## LINKS

Github:// [ExiaSR](#)  
LinkedIn:// [michaellinlzc](#)

## EDUCATION

### UNIVERSITY OF ALBERTA

COMPUTER SCIENCE, BSC

SPECIALIZATION

Expected May 2020

## EXPERIENCE

### IBM | SOFTWARE ENGINEER INTERN

May 2017 – Current | Markham, ON, Canada

- Built web application with front-end technologies such as ECMAScript 6, SASS, ReactJS as needed.
- Developed middleware for Cognitive Class Virtual Lab Environment, supporting over 750k users worldwide.
- Automating testing, continuous integration, and continuous deployment of different services with Github Enterprise, Travis CI, Docker, Cloud Foundry, Rancher, Artifactory, etc.
- Developed data pipeline and analytics API consists of organization-wide data to automate data collecting process and widely used by multiple teams.
- Instrumented user activity and analyzed data across different IBM products/partner offerings.

### YY INC. | BACKEND SOFTWARE ENGINEER INTERN

Jul 2016 – Aug 2016 | Guangzhou, China

- Developed script to automate and increase the efficiency of the building process.
- Refactored the MongoDB database with the new C++11 driver.
- Optimized query to increase performance by 10%.
- Developed unit test for several modules.
- Supported QA engineers in testing and debugging new release.

## PROJECTS

### COLLABORATIVE LIST | PROJECT MANAGEMENT TOOL

Feb 2017 - March 2017

A project management tool for scholar and faculty to keep track of the research material (books, articles, journals, videos, etc) for meeting and seminar. The backend is built with Flask to provide RESTful API, and the frontend is built with ReactJS. Also, the backend consists with MongoDB to store the data, and simultaneously replicates necessary data to the Elasticsearch to provide searching feature for the frontend. Deploy with docker.

### UNTER | RIDE-SHARING MOBILE APPLICATION

Oct 2016 - Dec 2016

Unter is a carpool application on Android that allows the user to select the location on the map and send out the request to look for a ride, and the driver would be able to search and accept those requests. This project is a practice of Agile development process for the Introduction to Software Engineering course