

# Michael Lin

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## SKILLS

### LANGUAGES

JavaScript • Python • Java  
HTML5 • CSS

### FRAMEWORKS/TOOLS

ReactJS • NodeJS • Flask  
PostgreSQL • Docker • AWS Lambda •  
Bluemix Openwhisk • Bluemix CF

## LINKS

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

## EDUCATION

### UNIVERSITY OF ALBERTA

COMPUTER SCIENCE, BSC

#### SPECILIZATION

Expected May 2020

## EXPERIENCE

### IBM | SOFTWARE ENGINEER INTERN

May 2017 – Current | Markham, ON, Canada

- Instrumented user behavior, analyzed and visualize data across different products.
- Built web application with front-end technologies such as ECMAScript 6, SASS, ReactJS as needed.
- Developed analytics API which consists of organization-wide data to automate the operation data collecting process and widely used by multiple teams.
- Automating testing, continuous integration, and continuous deployment of different services with Github Enterprise, Travis CI, Docker, Cloud Foundry, Rancher, Artifactory, etc.

### 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