

Michael Lin

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SKILLS

LANGUAGES

Python • JavaScript
HTML • CSS • Ruby

FRAMEWORKS/TOOLS

ReactJS • NodeJS • Flask
Rails • PostgreSQL • Docker
AWS • Softlayer • Bluemix
Ansible • Terraform

LINKS

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

EDUCATION

UNIVERSITY OF ALBERTA

COMPUTER SCIENCE, BSC

SPECIALIZATION

Expected May 2020

EXPERIENCE

IBM | SOFTWARE ENGINEER

Sep 2018 – Current | Remote

IBM | SOFTWARE ENGINEER INTERN

May 2017 – Aug 2018 | Markham, ON, Canada

- Built web applications with front-end technologies such as ECMAScript 6, SASS, ReactJS as needed.
- Developed microservices for Cognitive Class Virtual Lab Environment, supporting over 1M users worldwide.
- Automating testing, continuous integration, and continuous deployment of different services with Github Enterprise, Travis CI, Docker, Ansible, Terraform, Cloud Foundry, Rancher, Artifactory, etc.
- Developed data pipeline and analytics reporting API consist 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 products.

YY INC. | SOFTWARE ENGINEER INTERN

Jul 2016 – Aug 2016 | Guangzhou, China

- Developed scripts to automate and increase the efficiency of the building process.
- Refactored the codebase to use the latest MongoDB C++11 driver.
- Optimized MongoDB query to increase performance by 10%.
- Developed unit tests 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