

Michael Lin

<https://michaellin.me>
michaellin@ualberta.ca | 780.716.4073

SKILLS

LANGUAGES

Python • JavaScript
HTML • CSS • Ruby

FRAMEWORKS & TOOLS

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

INDUSTRY KNOWLEDGE

Scrum • Agile Methodologies

LINKS

Github:// ExiaSR
LinkedIn:// michaellinlzc

EDUCATION

UNIVERSITY OF ALBERTA

COMPUTER SCIENCE, BSC

SPECIALIZATION

Science Internship Program

Expected May 2020

EXPERIENCE

IBM | SOFTWARE ENGINEER

May 2017 – Current | Markham, ON, Canada

- Built web applications with front-end technologies such as ECMAScript 6, SASS, ReactJS as needed.
- Developed and scaled microservices for Cognitive Class Virtual Lab Environment, supporting over 1M users worldwide.
- Performed 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 consisting 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. Used by a team of 10.
- Refactored the codebase to use the MongoDB C++11 driver from the old C driver. Improved code readability and maintainability.
- 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

- Lead a team of 5 people to develop a project management tool for scholar and faculty to keep track of the research material (books, articles, journals, videos, etc) for meeting and seminar. Practiced weekly scrum meeting to
- Designed system architecture and implemented backend with Flask, MongoDB, and Elasticsearch.
- Designed UI and built frontend client with ReactJS.
- Built CI/CD pipelines for containerized applications with Docker.

UNTER | RIDESHARING MOBILE APPLICATION

Oct 2016 – Dec 2016

- Developed a ridesharing Android application and practiced MVC design pattern.
- Practiced weekly standup meeting to keep track of progress with a team of 4 people.