alex xie

alexieyizhe.me
alexieyizhe |
519-991-1828
alexieyizhe@gmail

proficiencies

javascript
ruby
python
C, C++
scheme

ruby on rails
angular.js
ionic.js
meteor.js

LaTeX
SQL
Git

education

University of
Waterloo //
bachelor of
computer science.

94% major avg.
3.9 gpa.

recognition

dean's honour list.
president's
scholarship.
faculty of math
merit scholarship.
mclamore
foundation
scholar.

interests

soccer.
hackathons.
volunteering.
games.
puns.

work.

Flipp Corp.
May - Sept 2018

Software Engineer - Indexing & Item Data Platform
- responsible for indexing and analyzation of merchant items and flyers
- migrated key systems from large platforms to microservices
- implemented item status publisher integrated with **AWS S3** and **Kafka**
- reduced item error percentage by X% and increased responsiveness by X%

projects.

UW TEDxpress
March 2018 - Present

QR scanner app published as a tool for Equithon volunteers
- **TypeScript** + **Ionic** codebase coupled with **Meteor.js** + **MongoDB** backend
- authenticated and processed data of 80+ volunteers & 500+ attendees

EQRScanner
March 2018 - Present

QR scanner app published as a tool for Equithon volunteers
- **TypeScript** + **Ionic** codebase coupled with **Meteor.js** + **MongoDB** backend
- authenticated and processed data of 80+ volunteers & 500+ attendees

Easy Recipeasy
Feb 2018

Personal recipe web app with Flipp ingredient deal finder
- built with **Ruby on Rails, Bootstrap,** and a **MySQL** database
- Flipp deal search through scraping site with Selenium Webdriver & Nokogiri

WATBus(should I take?)
Feb 2018

FB Messenger bot allowing quick and easy access to GRT transit info
- created in Python with Flask webhook and Wit.ai natural language processing
- parses GTFS Protocol Buffer data from GRT API for realtime updates

experience.

Equithon
Oct 2017 - Present

Junior Co-Chair / Development Team Lead
- coordinating all development aspects in 2019 iteration of Equithon
- working with other leads to innovate and expand upon previous year's event

Operations Coordinator / Software Developer
- managed all logistics of Waterloo's largest social innovation hackathon
- responsible for scaling up event to accommodate 400% increase in attendees
- created EQRScanner as part of contribution to development team

Waterloop
Apr 2018 - Present

Sponsorship Team Member
- securing vital sponsorship funds for development of Hyperloop prototype
- maintain relationships and communications with sponsors and networks

TEDxUW
Apr 2018 - Present

Logistics Manager / Software Developer
- coordinating details of event with expected attendance of 700+ delegates
- sole developer on registration and event app being used at TEDx event

Faculty of Mathematics
Nov 2017 - Present

Computer Science Representative / Senior Math Ambassador
- elected as voting member of the faculty's student government
- supervising undergraduate events as well as training of new ambassadors