

# alex xie

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## proficiencies

javascript  
ruby  
c++  
python  
react.js  
ruby on rails  
angular.js  
ionic.js  
meteor.js  
css frameworks  
nosql databases  
kafka  
git & vcs

## education

university of  
waterloo //  
bachelor of  
computer science  
2017 - present  
3.9 major gpa

## recognition

dean's honour list.  
McLamore  
Foundation  
scholar.  
DELF B1 french  
certification.  
president's  
scholarship.  
faculty of math  
merit scholarship.

## interests

soccer  
bouldering  
ux design  
volunteering  
puns

## experience

### Flipp Corp.

May 2018 - Aug 2018

#### Software Engineer Co-op — Item Data Platform Team

- owned development of new Rails microservice that uses JRuby to consume from Kafka topics and join streams in order to monitor production services
- migrated key legacy systems to a Ruby & Scala microservice architecture
- contributed to existing codebase that generates 75k+ impressions/day by adding validation and triaging abrupt indexer failures, amongst other improvements

### Equithon

Oct 2017 - Present

#### Junior Co-Chair / Development Team Lead

- coordinating all development of web and tech platform for event in 2019
- directing and working with other leads and teams to improve upon last year's event

#### Operations Coordinator / Developer

- managed details & logistics of Waterloo's largest social innovation hackathon
- responsible for scaling up event to accommodate 400% increase in attendees

## projects

### Equithon Platform

JavaScript / React / Redux / Firebase / Gatsby

#### Landing page, main site, profile site, and backend for Equithon 2019.

- developed dynamic & responsive landing page and main site individually
- utilizing Firestore, Auth, Cloud Functions, and Redux to build attendee profile site
- collaborating with other developers and designers to form cohesive site identity

### alexieyizhe.me

JavaScript / React / Gatsby / GraphQL

#### Personal website built from scratch.

- modern design built on self-contained, animated, and styled components
- microinteractions coupled with static site generation for speed and responsive UX

### EQRScanner

TypeScript / Ionic / Meteor / MongoDB

#### Mobile app used by 80+ Equithon 2018 volunteers to process 450+ attendees.

- features QR code check-in, live data updates, and user profiles + authentication

### Easy Recipeasy

Ruby / Rails / MySQL / Selenium / Bootstrap / APIs

#### Recipe web app with Flipp deal search, user profiles, and a modern design.

- scraped Flipp for ingredient discounts, integrated Edamam API for recipe searches

### WATBus(should I take?)

Python / Flask / Wit.ai / APIs

#### FB bot providing users with location-aware live transit info.

- added natural language processing and parsed GTFS Protocol Buffer data for info

## extracurriculars

### TEDxUW

May 2018 - Present

#### Logistics Manager

### Faculty of Mathematics

Nov 2017 - Present

#### Computer Science Representative / Senior Math Ambassador

### Waterloop

Apr 2018 - Aug 2018

#### Sponsorship Team Member