

# alex xie

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## proficiencies

javascript  
ruby  
python  
  
react.js  
ruby on rails  
angular.js  
ionic.js  
meteor.js  
  
HTML/CSS  
Databases  
Kafka  
Git

## education

university of  
waterloo //  
bachelor of  
computer science  
class of 2022  
94% major avg.  
3.9 gpa.

## recognition

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

## interests

soccer  
bouldering  
volunteering  
ux design  
games  
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 systems on production
- migrated key legacy systems to a Ruby & Scala microservice architecture
- contributed to existing codebase that generates 75k+ impressions/day; added validation and triaged 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 Equithon 2019
- directing and working with other leads to improve upon last year's event

#### Operations Coordinator / Platform Developer

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

## projects

### alexieyizhe.me

JavaScript / React / Gatsby / GraphQL

#### Personal portfolio website built from scratch.

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

### EQRSScanner

TypeScript / Ionic / Meteor / MongoDB

#### Multipurpose app designed as a tool for Equithon 2018 volunteers.

- functionality includes QR code check-in, shift scheduling, and user authentication
- used by 80+ volunteers to process over 450 attendees at event

### Easy Recipeasy

Ruby / Rails / MySQL / Selenium / Bootstrap / APIs

#### Web app for cooking with recipe discovery and a beautiful design.

- includes full user profile functionality & Edamam API recipe search
- added Flipp deal search from site scraping with Selenium Webdriver & Nokogiri

### WATBus(should I take?)

Python / Flask / Wit.ai / APIs

#### Facebook Messenger bot providing access to up-to-date transit information.

- features natural language processing and live location functionality
- parses GTFS Protocol Buffer data from GRT API for realtime updates

## extracurriculars

### 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

### TEDxUW

May 2018 - Oct 2018

#### Logistics Manager

- oversaw logistics to ensure a positive and engaging experience for 700+ delegates

### Waterloop

Apr 2018 - Aug 2018

#### Sponsorship Team Member

- procured vital sponsorship funds for development of Hyperloop prototype
- secured \$10,000+ by initiating and maintaining strong relationships with sponsors