



# 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  
hackathons  
volunteering  
games  
puns

## experience

### Flipp Corp.

May 2018 - Aug 2018

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

- maintain product indexing systems delivering 75k+ user impressions/day
- improved existing monolith structure through new features, validation, etc
- migrated key systems to a Ruby & Scala microservice architecture
- owned development of new Rails microservice to monitor entire pipeline

### Equithon

Oct 2017 - Present

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

- coordinating all software development of the 2019 iteration of Equithon
- directing and working with other leads to innovate upon last year's event

#### Operations Coordinator / 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

## projects

### alexieyizhe.me

JavaScript / React / Gatsby / GraphQL

#### Personal portfolio/blog website built from scratch

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

### EQRScanner

TypeScript / Ionic / Meteor / MongoDB

#### Official app of Equithon 2018 designed as a tool for volunteers

- built QR code check-in, async data manipulation, and user authentication
- used by 80+ volunteers to process over 450 attendees at event

### Easy Recipeasy

Ruby / Rails / MySQL / Selenium / Bootstrap / APIs

#### Cooking web app with multiple recipe discovery tools

- fluid web design w/ full user profile functionality & Edamam API recipe search
- added Flipp deal search from site scraping w/ Selenium Webdriver & Nokogiri

### WATBus(should I take?)

Python / Flask / Wit.ai / APIs

#### FB Messenger bot allowing quick and easy access to up-to-date transit info

- implements 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

- coordinating details of event with expected attendance of 700+ delegates
- ensured engaging programming and a smooth experience for participants

### Waterloop

Apr 2018 - Aug 2018

#### Sponsorship Team Member

- securing vital sponsorship funds for development of Hyperloop prototype
- maintain strong relationships with sponsors and networking individuals