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.
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 - Sept 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

TEDxUW
May 2018 - Oct 2018

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

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

Waterloop
Apr 2018 - Sept 2018

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