alex xie

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proficiencies

javascript
ruby
python

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

HTML
CSS
SQL
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

work

Flipp Corp. — May - Sept 2018

Software Engineer Co-op — Item Data Platform Team
- responsible for indexing and analyzation of merchant items and flyers
- assisted in migrating key systems to a Ruby & Scala microservice architecture
- owned development of new microservice to monitor entire indexing process
- improved logging of events and reduced item error percentage by 23%

projects

alexieyizhe.me — JavaScript / React / Gatsby / GraphQL

Personal portfolio/blog site built from scratch
- built upon cohesive components with styled-components and react-pose
- responsive design with static site generation for speed and improved UX

EQRScanner — TypeScript / Ionic / Meteor / MongoDB

Official app of Equithon 2018 designed as a tool for volunteers
- implemented QR code check-in, shift schedule, and user authentication
- used by 80+ Equithon 2018 volunteers to process over 450 attendees

EQRScanner — Ruby / Rails / MySQL / Selenium / Bootstrap / APIs

Cooking web app with multiple recipe discovery tools
- fluid page layouts with user profile functionality and recipe search
- Flipp deal search from site scraping with Selenium Webdriver & Nokogiri

WATBus(should I take?) — Python / Flask / Wit.ai / APIs

FB Messenger bot allowing quick and easy access to GRT transit info
- natural language processing and multiple functions for ease-of-use
- parses GRT API's GTFS Protocol Buffer data and location for realtime updates

experience

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 — 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

Waterloop — Apr 2018 - Present

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

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