





Ryan Wang

R-Wang97 
ryan-wang.com 
shirui.wang@uwaterloo.ca 
ca.linkedin.com/in/shiruiWang 

Skills and Qualifications

Languages: C++, JavaScript, Java, Ruby, Python, Scala, SQL, HTML, SCSS

Frameworks: React, Rails, Redux, Express.js, GraphQL, RSpec, Enzyme, Spark

Tools: Git, GraphiQL, vim, pry, ElasticSearch, gdb

Experience

Software Engineering Intern – theScore Inc., Toronto January – April 2017

- Designed and implemented a GraphQL API for golf using Rails, GraphQL-Ruby and GraphQL-Batch
- Setup full support for the World Baseball Classic tournament, which had 1.5 million daily page views
- Created XML data processing pipeline in Python and worked with client teams to validate results
- Generated JSON captures of various API endpoints for QA to use, leading to 100% QA automation
- Numerous enhancements and bug fixes throughout the main API and supporting services

Software Engineering Intern – Paytm Labs, Toronto May – August 2016

- Built a React and Play Scala web application to visualize and validate product recommendations
- Implemented a RESTful API for the web client to communicate with the server
- Utilized the Scala ElasticSearch library within the web server to send, retrieve, and parse query results
- Wrote Spark jobs to process large datasets of over 5 million rows on Hadoop clusters

Projects

Cuisiner January 2017 – Present

- Built a web app to allow students to post food for sale using React, Express.js, and Postgres
- Designed components to use Redux, implemented a RESTful API, and wrote tests using Enzyme

Mattermost August 2016 – Present

- Contributor to the open source, self-hosted Slack alternative written in React and Go
- Submitted numerous functionality improvements and resolved bugs in the web client

Megaman X June 2015

- Programmed a version of Megaman by Capcom using Java, Eclipse, and Adobe Photoshop
- Used Object Oriented Programming to implement a character, random enemies, and terrain objects

Education

University of Waterloo, Bachelor of Software Engineering (2020) September 2015 – Present

Activities and Interests

- Classical RCM ARCT pianist who also enjoys Broadway and Film music
- Avid reader of computer hardware developments and technological advances
- Casual Overwatch, Starcraft II, and Diablo III player