Richie Shi | 3A Computer Science

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Languages Javascript, Ruby, Python, Java, C++/C, HTML/CSS
Tools React, Ruby on Rails, Redux, NextJS, NodeJS, Postgres, AWS, Git

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Experience

FundThrough Inc. - Software Engineering   Jan 2020 - May 2020, Sept 2020 - Dec 2020
- Built invoice factoring micro-service using **Ruby on Rails** for admin to manage automatically generated advances and repayments for **1000+ clients**
- Streamlined on-boarding process for **over 20% of users** by creating reusable and customizable **React** components to make responsive, directive account setup system
- Integrated Plaid service on client-facing application to provide admin with client banking information using **Redux** and an API
- Wrote Rails task to migrate **10000+** invoices to maintain information and state consistency
- Created filtering system for admin team to allow quick searching by making dynamic **database queries** across multiple microservices using APIs
- Implemented Segment customer **data analytics** into user micro-service using Ruby on Rails to log data and track when users are created thru signup

Stratus 360 Inc. - Full Stack Developer   May 2019 - Aug 2019
- Implemented a customer relations management service for clientele with **Canada-wide user base** using Salesforce platform
- Created reactive UI components in both **Salesforce**'s Aura and LWC frameworks to give **3000+** users streamlined way to interpret and use data
- Wrote algorithms using **Java** to automate admin tasks on large involving large volumes of data
- Modeled objects in a **relational database** using SQL based on holistic descriptions

Projects

YouTube Watch Party ⭘
- Built React and Redux application that allows different members of a room to queue and watch YouTube videos simultaneously using Socket.io

Personal Website ⭘
- Designed and implemented statically generated web app using React, NextJS, and SASS

Education

Candidate for Bachelor of Computer Science - University of Waterloo   2018 - Expected 2023
Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Databases

Extracurriculars

Hackathons
Deltahacks, StarterHacks, HackWestern