Jesse Ren

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Skills

Programming: Python, JavaScript, CSS, HTML, SQL, TypeScript, C++, Java, PHP, VBA, MatLAB

Tools/Frameworks: AWS, Django, React, React Native, Redux, PostgreSQL, MySQL, GraphQL, Angular, Git, Mercurial, Node.js, jQuery, Flowjs, Selenium, Jira, VS Code, SequelPro, Firebase, IntelliJ IDEA, PhpStorm

Employment

Parts Kick
Software Engineer – Freelance   July 2023 to Current
- Created an iOS and Android app with **React Native** to streamline the photo-taking process for car insurance employees
- Used **AWS S3** and **AWS Amplify** to build a cloud storage system that users can upload and download pictures from
- Implemented user authentification with **AWS Cognito** to only give users access to permitted folders and images

Meta
Frontend Engineer Intern   May 2022 to Aug. 2022
- Created an intuitive no-code tool using **React** and **GraphQL** that enables non-engineers to create consent prompts easily
- Contributed to Meta's large monorepo codebase by proficiently utilizing the **Mercurial** version control system
- Collaborated with senior engineers to determine features to prioritize or discard in an agile setting

Tulip.io
Software Engineer Intern   Sept. 2021 to Dec. 2021
- Optimized warehouse algorithms and polished the UI/UX for a multi-million dollar e-commerce company using **PHP**
- Created **JavaScript** events to gather sales data and updated Google product feeds using **Python** and **SQL**
- Wrote **SQL** scripts to clean and update dirty data in company databases

Polar
Software Engineer Intern   Jan. 2021 to Apr. 2021
- Improved the user experience of an ad management platform by creating and modifying new **React** components
- Wrote unit tests in **Python** to ensure new API methods were working as intended
- Optimized relational database queries in **Django**, improving page performance by 10 seconds

TritonWear
Software Engineer Intern   May 2020 to Aug. 2020
- Built an analytics environment using **TypeScript** and **Firebase** that provided crucial user and app insights
- Created automated end-to-end test cases for **Angular** web components using **Protractor**

Economical Insurance
Access Analyst Intern   Sept. 2019 to Dec. 2019
- Developed **SQL** scripts to retrieve, update, and delete 10,000+ rows of broker data

University of Toronto Scarborough
Engineering Intern   Jan. 2019 to Apr. 2019
- Built a comprehensive data visualization tool in **Python** to display HVAC data in Time Series

Education

UNIVERSITY OF WATERLOO
B.ASc Environmental Engineering
Sept. 2018 to Apr. 2023