

Willson Wang

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Technical Skills

Languages: JavaScript, Python, C/C++, Java, HTML, CSS

Frameworks and Tools: React, Redux, Node, AWS, Flask, SQL, Jest, Git, GCP, Azure, Twilio

Work Experience

Software Engineering Intern, PointClickCare May 2020 – Aug 2020

- Implemented reusable dashboard components for core application using React, Redux, and JavaScript which display clinical information for over **2 million patients**
- Created automated application unit tests for React components using Jest, Enzyme, and React Testing Library to **decrease testing time by 10%**
- **Decreased component load speed by 15%** by integrating Redux to optimize state management
- Integrated Java back end to calculate, extract, and **display data insights from SQL database**

Front End Developer, Purolator Inc May 2019 – Aug 2019

- Rebuilt entire front end of consumer-facing website applications with **over 1.6 million weekly visitors** by leveraging HTML, SASS, and Bootstrap
- **Expanded userbase by 35%** by enhancing mobile functionality of applications using jQuery
- **Decreased microsite development time by 30%** by creating Bootstrap page templates for developers
- Improved performance tracking by implementing **custom JavaScript algorithms** in Google Analytics

Projects

Insights Extraction (Python, Flask, GCP, Azure) August 2020

- Created application with Flask back end which uses **entity recognition** and **sentimental analysis** to extract key insights from insurance claims with **80% accuracy**
- Received award for the **Intact Insurance Hacker Challenge** at Hack the 6ix 2020

Housing Classifieds Service (AWS, JavaScript, React) May 2020 – present

- Used **AWS Amplify** and **Cognito** to create a user authentication system with **secured API endpoints** and account types with different levels of permission
- Integrated **AWS S3 REST API** into React component to manage asynchronous image uploads

Automated Stock Tracking (Python, Twilio) Aug 2019 – Oct 2019

- Created web scraper using Python and Twilio to **track stock prices in real time** and send SMS feeds to user after detecting significant changes in stock value

Education

University of Waterloo Sep 2018 – Apr 2023 (Expected)

Candidate for Bachelor's of Computer Science