Willson Wang

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Technical Skills

Languages:	Python, JavaScript, C++, Java, HTML, CSS
Frameworks and Tools:	React, Node, AWS, SQL, Jest, Git, Bash, Twilio, GCP

Work Experience

Software Engineering Intern, *PointClickCare*, Mississauga   *May 2020 – present*

- Implemented dashboard components for core application using **React**, **Java**, and **SQL** 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%**

Front End Developer, *Purolator Inc*, Mississauga   *May 2019 – Aug 2019*

- Rebuilt 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 traffic and performance tracking capabilities by implementing **custom JavaScript algorithms** in Google Analytics

Projects

BlueKey Ltd. (AWS, JavaScript, React)   *May 2020 – present*

- Used **AWS Amplify** and **Cognito** to create a user authentication system with **secured API endpoints** as part of back end for a housing classifieds service
- 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 BeautifulSoup library to **track stock prices in real time**
- Used **Twilio** to automatically send SMS feeds when stock value changes by a user-set percentage

Voice Controlled Programming (Python, Google Cloud)   *Sep 2019*

- Developed Python program at **Hack the North 2019** to **automate the software development process** by enabling users to create programs using their voice
- Integrated Google Speech API to maximize accuracy of speech-to-text conversions

Education

University of Waterloo   *Sep 2018 – Apr 2023 (Expected)*

Candidate for Bachelor's of Computer Science