

# Willson Wang

✉ wang.willson1@gmail.com    📞 wangwillson1    💼 wangwillson1    🌐 willsonwang.com

## Technical Skills

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

**Frameworks and Tools:** React, Redux, Node, AWS, SQL, Jest, Git, Bash, GCP, Twilio

## Work Experience

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**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%**
- **Decreased component load speed by 15%** by integrating Redux to optimize state management

**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 performance tracking by implementing **custom JavaScript algorithms** in Google Analytics

## Projects

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**BlueKey (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

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

Candidate for Bachelor's of Computer Science