

Jason Hong

🌐 jasonhong.me
🐙 [Jhong098](https://github.com/Jhong098)
📞 519 781 4623
✉ jhong098@gmail.com

EXPERIENCE

Canoo — Software Tools and Automation

Sep – Dec 2019 • Torrance, California, USA

- Increased productivity by creating software release management tool with React, TypeScript, Python, and Flask to monitor and control builds for 10+ vehicle components
- Sped up software release generation by 2x with async in Python 3
- Enhanced code quality and coverage by adding linter, unit tests in Jenkins CI/CD pipelines for all software tools

Hack the North — Frontend Developer

Feb – Dec 2019 • Waterloo, Ontario, Canada

- Created delightful web experiences with React, Typescript, and Styled Components for one of the world's largest hackathons, with more than 30k unique visitors and 3M requests per month
- Improved maintainability and customizability by creating a themeable React component library for all Hack the North projects

StackAdapt — Software Engineering

Jan – Apr 2019 • Toronto, Ontario, Canada

- Implemented customization and productivity features on web platform that manages 3000+ ad campaigns with Ruby on Rails, React, and Redux
- Increased ad bidding effectiveness for 1000+ bid requests per minute by adding logic in Go application to allow users to dynamically control the bidding frequency
- Designed user preset system based on user type for hundreds of active users

Palette (now Monogram) — Software Developer

May – Aug 2018 • Kitchener, Ontario, Canada

- Improved performance for Qt desktop application and various content-creating software plugins by refactoring legacy code
- Boosted responsiveness by 20% by developing an USB serial communication interface in Node
- Ensured 95% test coverage by writing effective unit tests

LANGUAGES & TOOLS

C, C++, Java, Ruby, Go, C#, MATLAB
Python, JavaScript, TypeScript, Lua

React, Redux, Rails, Node, Express, Flask,
MongoDB, MySQL, Firebase, AWS, Jest, Docker

EDUCATION

University of Waterloo

Candidate for B.A.Sc., Computer Engineering

Expected Graduation: Apr 2021

RESEARCH

AI for Wireless Network

Research Assistant for Professor Sherman Shen

Jan 2020 – Present

Created low-latency vehicular network simulator in Python to speed up data generation by 10x

Ultrasound Research Scanner

Research Assistant for Professor Alfred Yu

Jan – Apr 2018

Designed and created Android interface to control ultrasound imaging platform via TCP/IP

PROJECTS

Open PPE — Next.js, Firebase 🐙 🌐

Developed web application to connect medical professionals and PPE suppliers while providing logistical updates of orders

VisionMotion — Android 🐙 🌐

Led a team of four to develop application that measures kinematic motion of objects and generates graphs and tables