

# Jason Huang

SOFTWARE DEVELOPER

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## Education

### McMaster University

*Hamilton, Ontario, Canada*

B.A.S.C. IN COMPUTER SCIENCE (CO-OP) - 4.0 GPA

*Sept. 2021 - Apr. 2025*

- Received Faculty of Engineering Achievement Award for Fall 2021 term

## Work Experience

### TakingITGlobal

*Toronto, Ontario, Canada (Remote)*

SOFTWARE ARCHITECT

*Apr. 2020 - May. 2022*

- Used React and static-site paradigms to increase Rising Youth site performance by over 800%
- Developed GraphQL powered serverless API to interface with sites and mobile apps
- Created web app using RedwoodJS to provide highly scalable grant administration experiences for 400+ quarterly applicants
- Built CMS systems to allow for internal team of 30+ users to customize website and application dashboard

## Projects

### Fraser Votes

*John Fraser Secondary School*

[HTTPS://GITHUB.COM/FRASER-VOTES/](https://github.com/fraser-votes/)

*Oct. 2017 - Jun. 2021*

- Used Gatsby and Firebase to make online candidate information and voting platform utilizing PGP encryption
- Increased voter turnout by 165%
- Used Plausible and Sentry to monitor aggregate, anonymous information about 1400 unique visitors

### Donations Revealed

[HTTPS://GITHUB.COM/JAMRANTS/DONATIONS/](https://github.com/jamrants/donations/)

*Apr. 2020 - May. 2020*

- Built tool to contextualize large corporate donations against an individual's income
- Designed to encourage donations by "beating" the donation-to-profit ratio of companies
- Developed using Gatsby, Airtable, Netlify, and Firebase

## Extracurricular Activity

### Computer Science Club

*John Fraser Secondary School*

EXECUTIVE

*Sept. 2018 - Jun. 2021*

- Introduced advanced programming concepts to dedicated students
- Liaised with other executives to promote computer science education
- Directed a hackathon with over 150 attendees along with a team of 6 others in a span of 2 months

### VEX Robotics Club

*John Fraser Secondary School*

LEAD ENGINEER

*Oct. 2017 - Jun. 2021*

- Led a primary team of 10 to build, design, and iterate on robot hardware
- Collaborated in an executive team of 4 to recruit, vet, and instruct new members
- Taught and mentored secondary team of 10
- Competed at VEX Worlds, winning our division's Innovate award

## Skills

**Languages** Javascript, Python, Java, C++, LaTeX

**Tools/Frameworks** Node.js, React, Webpack, Express, GraphQL, OpenAPI, Docker, Kubernetes, Linux, FreeBSD

**Services** AWS, GCP, Netlify, GitHub Actions

**Areas of Expertise** Serverless API Development, Full-stack Web Development, DevOps