

# Bryan Hoang

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## WORK EXPERIENCE

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### Software Developer II

May 2023 — Present

#### Distributive

Kingston, ON

- Lead the development of a dashboard SPA (React) as the code owner, overseeing code reviews and architecture changes.
- Improve the integration of the SPA with a OAuth 2.0 Ruby on Rails server.
- Helped implement E2E browser tests for the dashboard SPA, preventing regressions from reaching the development trunk.
- Helped fix issues with GitLab CI pipelines to prevent days of developer time from being wasted by flaky pipelines.
- Improved the build times for various React web apps to be 100%-200% faster by switching to better tools (e.g., Vite).
- Fixed issues with the serialization of `console.log` messages in the SDK not conforming to spec to save network bandwidth and make “printf” debugging easier.

### Technical Lead

May 2022 — May 2023

#### Distributive

Kingston, ON

- Coordinate with the CTO and software architects to maintain the Core development team’s coding standards.
- Lead a tiger team to finish the delivery of a React SPA dashboard web app within weeks of the team forming.
- Lead a team of developers to add i18n and branding support to the dashboard SPA, in collaboration with a research team from Queen’s University, that concluded with a survey with 600+ participants.
- Mentored and managed internship students.

### Software Developer I

May 2020 — Aug. 2021

#### Distributive

Kingston, ON

- Developed and maintained a React SPA used by the business team in demos to clients and investors (<https://dcp.work>).
- Developed and maintained a Sphinx documentation website for the company’s software tools (<https://docs.dcp.dev>).
- Added support for stored procedures to in-house ORM library, letting the team avoid repeating currency transaction code.

### Software Developer Intern

June 2019 — Aug. 2019

#### Distributive

Kingston, ON

- Full-stack development tasks in the Node.js ecosystem.

## PROJECTS

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### Creator, Advent of Code CLI

Dec. 2024

- A command-line application that helps automate common tasks when completing Advent of Code challenges.

## SKILLS

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- **Programming Languages:** JavaScript, Typescript, Python, HTML/CSS, Bash, Ruby, SQL, C#, C, Java, MATLAB
- **Technologies:** UNIX, Git, Docker, Node.js, React, Playwright, NGINX, MySQL, GitLab CI, REST

## EDUCATION

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### Queen's University

Kingston, ON

*Bachelor of Applied Science in Math and Computing; GPA: 3.85 (4.13/4.3)*

*Sept. 2017 — May 2022*

## EXTRACURRICULAR ACTIVITIES

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### Undergraduate Teaching Assistant

Sept. 2019 — Apr. 2020, Sept. 2021 — Apr. 2022

- Facilitated the learning of 90+ students in weekly 1-hour tutorial sessions for first year calculus and linear algebra.

### Student Executive Webmaster

Jan. 2021 — May 2022

- Responsible for the Apple Math Exec and Sci’ 21 Exec Wordpress websites.

### Peer Tutor

May 2018 — Apr. 2020

- Guided the learning of undergraduate engineering students in C and MATLAB Programming, Calculus, and Linear Algebra through weekly 1 to 3 hour long individual and group tutoring sessions
- Led 3-hour review workshops for 30+ students, improving their understanding of the course material being presented.