Nicholas Chong

Software Engineer | Toronto, Canada

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Education

BSc, Computer Science + HBA, Business Administration

Western University, Canada   2020 – 2025

- Pursuing a Computer Science + Business Administration dual degree between the Faculty of Science and Ivey Business School.
- Skills: TypeScript, Python, Java, React.js, Node.js, GraphQL, REST APIs, Sequelize, SQL, GitHub, Design Docs, Project Management.
- Campus Leadership: VP Projects at Western Founders Network, Section Rep at Ivey Tech Club.
- Interests: Formula One, NBA, UFC, Star Wars, bouldering + rock climbing, south-east Asian food.

Experience

HubSpot | Cambridge, MA, United States

Software Engineer Intern   Jun 2023 – Sep 2023

- Standardized HubSpot CMS publishing flow across 2+ content types by leading engineering, technical design, and implementation of modular **TypeScript React.js** components. Delivered project ahead of schedule and directly addressed user's pain points.
- Built new Content Translations feature, using internal library to authenticate requests to a **REST API** while asynchrounously managing **React.js** component state using **JavaScript Promises**. Recognized as a significant product milestone achievement.
- Used **Redux.js** selectors, reducers, and hooks to manage a complex, 50+ property state object at the global level, enabling seamless interaction between the UI and the application's and leading to improved **React.js** client-side performance.
- Improved reliability and reduced user facing bugs in **React** components by migrating legacy code modules from **JavaScript** to **TypeScript** while maintaining compatibility with HubSpot **REST API,** supporting org wide mandate to update the tech stack.
- Collaborated closely with product managers and designers to translate wireframes into real user interfaces while calling out technical feasibility of proposed designs and product requirements, ensuring clear **stakeholder alignment** throughout a project.

Ashby (ashbyhq.com) | San Francisco, CA, United States

Software Engineer Intern   Dec 2021 – May 2023

- Engineered dozens of user-facing features within the Ashby Candidate Sourcing product using **TypeScript, React.js, GraphQL, and Node.js**, resulting in quick delivery of impactful and reliable features to users during hyper-growth stages.
- Implemented secure **Express.js REST** endpoints to support time sensitive migration onto the **Google OIDC** login standard, ensuring that Ashby users could continue using Google **OAuth** authentication services to login to the app.
- Led technical design and development of **React.js** UI, **Sequelize** data model, and **GraphQL** endpoints for the Ashby Customer Referral Code system, allowing users to generate referral codes to share with their networks, opening a new GTM sales channel.
- Used **GraphQL** data type abstractions to define common **API** response shapes across 20+ queries and mutations. Resulted in quicker feature development and easier maintainability across the codebase.
- Wrote detailed **design docs** to outline analysis of product implications, technical feasibility, and implementation plan of new features, ensuring clear alignment among cross functional team of senior/staff engineers, product managers, and designers.
- **Series B** recruiting tech competing with Lever and Greenhouse; YC W19; part-time throughout school year; first and only intern.

Projects

Ivey Learn Plus Chrome Extension

- Conducted 5+ **user research** interviews to determine key issues with Ivey's digital classroom platform and surface student's needs. Led to clear definition of user's challenges and use cases, ensuring the team was aligned on which problems to tackle first.
- Collaborated with three peers to build and launch **JavaScript** chrome extension to improve the study-room booking system.
- Successfully garnered **200+ users (25% of the class)** within two weeks of launch through word-of-mouth and LinkedIn marketing.

Ontario COVID-19 Twitter Bot and Dashboard

- Used Python, JavaScript, React.js, and Django to develop an interactive dashboard and twitter bot to dramatically improve and simplify access to COVID-19 data for residents of Ontario. **10,000+ unique dashboard users. 5,000+ Twitter followers.**
- Automated the daily update Tweets process using **Python and Heroku** scheduler commands saving 2 hrs/wk. of work.