

# Nicholas Chubb

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## Education

### Simon Fraser University

B.Sc. in Computing Science and Molecular Biology & Biochemistry

Graduated: 2023

*Relevant Concepts:* Algorithms, Data Structures, Bioinformatics, Artificial Intelligence, Database Systems, Biomedical Computing

## Technical Skills

Languages	Frameworks	Software	Relevant Concepts
– TypeScript/JavaScript	– ReactJS	– Git/Github	– Agile/Scrum
– Java	– Next.js	– Linux	– Functional Programming
– HTML/CSS	– Node.js	– MongoDB	– Unit Testing
– Python	– Express	– Postgres/SQL	– APIs

## Technical Work Experience

### Machobear Studios Inc.

Front-end Developer

Vancouver, BC

May, 2022 – December, 2022

- Liv.rent team: a Progressive React App for long-term rentals with over 170k users and 200k monthly site visits
- Implemented several prominent features, including new User Toaster and Tour, Custom Contract Builder, and more
- Followed industry best practices and coding standards to write clean, maintainable, and scalable code
- Troubleshooting and resolving complex front-end issues with libraries such as Redux, Ramda, and more

*Technical Skills:* React.js, Next.js, TypeScript, JavaScript, HTML, CSS, Redux, Ramda, Jira

### Skyrocket Digital

Front-end Developer

Vancouver, BC

September, 2021 – Feb, 2022

- Utilized JavaScript, HTML, and CSS to build responsive ecommerce websites to match customer specifications
- Successfully managed multiple projects simultaneously, meeting deadlines and delivering high-quality code
- Designed JavaScript back-end system to manage affiliate discount codes using the Shopify API

*Technical Skills:* JavaScript, React.js, HTML, CSS, Liquid, Shopify, Webflow

### Incognito Software Systems Inc.

Quality Assurance Engineer Intern

Vancouver, BC

September, 2020 – April, 2021

- Designed and implemented Selenium test suite for Firmware Management Service
- Utilized Java, JUnit, IntelliJ, and Linux to effectively write and debug professional software tests
- Wrote more than 100 tests across multiple services and stabilized Jenkins environment of over 600 tests

*Technical Skills:* Java, JUnit, CI/CD, Jenkins, Selenium, Unit Testing, End-to-end Testing, Git, Linux

## Personal Projects

### AI Chatbot

TypeScript, ReactJS, Python, Flask, Docker, PostgreSQL, GCP, AI

[🔗 GitHub](#) | [🔗 Live Demo](#)

- Python Chatbot and Flask API Backend Dockerized and hosted on GCP Cloud Run for scalability and maintainability
- Integration with a PostgreSQL data base for user authorization, authentication, and rate-limiting for security
- TypeScript/React front-end text entry which utilises LocalStorage to maintain chat memory across website visits

### DockerMan

JavaScript, Node.js, Express.js, ReactJS, Docker, SQL, API Development

[🔗 GitHub](#)

- Modular server back-end which utilizes Node.js and Docker to serve containers on the same web domain
- Integrated with React for front-end interactive user dashboard, which includes:
  - \* Container control panel to start/stop/restart or port-forward individual containers to a URL slug;
  - \* User authentication system with an SQLite database, cookies and other modern authentication features;
  - \* System configuration screen to control security features, such as preventing too many login attempts;

## Volunteer Experience

### Vancouver Startup Week

Software Developer, Account Manager

Vancouver, BC

February, 2021 – Present

- Developed features for the new website using ReactJS and TypeScript, including completely redeveloping the blog
- Enhanced code maintainability and scalability by refactoring components to TypeScript, minimizing potential errors
- Integrated Contentful CMS to dynamically update site content, bypassing bottleneck on development team
- Collaborated closely with design team to to implement Figma mockups and ensure a cohesive user interface

*Technical Skills:* React.js, Next.js, TypeScript, JavaScript, HTML, CSS

### Science Undergraduate Society

President

Burnaby, BC

May, 2020 – April, 2021, May, 2022 – July, 2022

- Led a 10-member executive team overseeing a student society with over 3000 members, ensuring efficient operations
- Planned and orchestrated weekly team meetings, facilitating event planning and advocacy efforts
- Spearheaded rewriting of By-Laws and Policy, implementing formalized processes like a Kanban board for task delegation

*Technical Skills:* Communication, Team Leadership, Project Management, Public Speaking