

EDUCATION

University of Waterloo

Sept 2020 – May 2025

Computer Science and Business Administration Double Degree Candidate

Waterloo, ON

- 4x Outstanding co-op evaluation, President's Scholarship of Distinction

EXPERIENCE

Wealthsimple, Software Developer Intern

Jan 2024 – Apr 2024

Ruby on Rails, TypeScript, React Native, Redux, GraphQL, Figma

Toronto, ON

- Spearheaded several complex new features, involving **end-to-end** ownership of project planning, design/prototype, technical implementation, and staged client rollout.

Project lead – Launch dividend tracking capabilities:

- Identified opportunities to expose new dividends endpoint from an existing ledger migration and present the first client interface of accumulated earnings.

Project lead – Introduce advanced securities filter model and interface:

- Tackled a client pain point by spearheading new security data model, enabling advanced sorting on asset fields.
- Led the **Knex.js** migration task and implemented performant querying/caching mechanisms using **Apollo Client**.
- Developed strong grasp of client-side architecture, using standards for **React** state management and **MVP** pattern.
- Proposed order flow **UI/UX** enhancements by leveraging prior trade experience, boosting order completion rate by 30%.
- Received recognition in Eng newsletter for deprecating a legacy **REST** endpoint and unshipping 10k+ lines of code.
- Organized intern experience events, providing peer mentorship opportunities and cross-functional knowledge sharing.

Scotiabank, Trading Intern

Dec 2022 – Apr 2023

Python, Flask, React, SQL

Toronto, ON

- Spearheaded trade booking **Flask API** with **React** front-end used by 20+ traders across Toronto and NY offices, cutting manual work by ~2hrs/day and fully eliminating post-trade reconciliation errors.
- Initiated automated pricing through data synchronization script in **Python**, providing “instant update” capability for urgent client requests and driving data-forward decision-making.
- Implemented a boundary-sensitive alert worker in response to post-SVB market volatility, leveraging Bloomberg APIs to cut trader response times down to seconds.
- Received desk-wide recognition for self-driven initiatives, creative cost-saving solutions, and strong technical abilities.

Neo Financial, Software Engineer Intern

Jan 2022 – Apr 2022

TypeScript, React, GraphQL

Calgary, AB

- Contributed to the design and development of a high-performance interest rate microservice in **Typescript**, requiring a strong grasp of quantitative mechanisms while ensuring code scalability and efficiency.
- Collaborated with agile scrum team in a fast-paced **CI/CD** environment to approve, review, and ship code with **Git**.
- Developed mock and stub test clients to ensure full code coverage using **Jest**.

PROJECTS

Personal Art Business

Aug 2020 - Present

- Established a personal business venture, generating over \$10,000 in revenue through the outreach of portfolio website developed using self-taught **React/JavaScript** skills.

Covid-19 Test Optimization Program

Nov 2022

- Developed **Python** model to generate optimized pooled Covid testing, improving provincial test capacity by 200%.
- Received personal recognition from Alberta Health Minister for self-driven initiative and innovation.

First place winner of Hacksimple '24, Wealthsimple

2024

First place winner of ProdCon '22, UW Product Management

2022

Programming languages: Typescript, Python, C++, ReactJS, React Native, GraphQL**Tools:** Git, NodeJS, Jest, Figma