

EDUCATION

University of Toronto

St. George Campus

- Honors Bachelor of Science, **Computer Science** Specialist, CGPA **3.82/4.00**
- Expected Graduation **January 2025**
- University of Toronto Scholar Entrance Award, Dean's List Scholar

EXPERIENCE

Oracle

Software Developer
Co-op Intern

May 2022 - Aug 2023

- Developed an HTML editor using **CodeMirror** and **TypeScript** for a React-based email designer, allowing users to add HTML blocks in emails.
- Followed **Figma** designs to create functional **React** components and pages for a UI redesign.
- Rewrote CCA components into reusable form fields with validation and an inline table editor.
- Wrote unit tests with **React Testing Library**. Created end-to-end **C#**, **Java**, and **Selenium** automation tests, validating product functionality, cross-browser compatibility, and i18n.
- Frequently presented demos of features to project stakeholders and company executives.

Finastra

Full-Stack Software
Engineer Intern

Jan 2022 - Apr 2022

- Contributed to the **Vue.js** redesign of the client portal flows of a mortgage lending web app.
- Completed an individual **Typescript** project and integrated it into the admin portal, enabling mortgage brokers to review marketing campaign analytics.
- Aggregated extensive marketing campaign data using **PostgreSQL**. Defined **GraphQL** schemas and wrote resolvers to handle queries for selective fetching.
- Displayed resulting data in hierarchical Vue.js tables. Wrote comprehensive **Jest** unit tests.

Hack the North

- Developed group hackathon projects: **Senso** 2019, **Illuminate** 2020, **Bowlo** 2021

PROJECTS

neecofabian.com

- Created a responsive personal website with **HTML**, **CSS**, and **JavaScript**.
- Incorporated **GSAP** ScrollTrigger library and **Vanilla-tilt.js** for animated micro-interactions.

Outhouse

- Built a platform for university students to locate, review, and report restrooms on campus.
- Implemented **Figma** views, **React** frontend, **Express** backend, **MongoDB**, Google Maps API integration.

speedrun.com Inquiry

- Analyzed speedrun.com's data with **PostgreSQL**. Fetched and cleaned **REST API** responses.
- Constructed a **DDL** schema and performed SQL queries to answer inquiries.
- Aggregated the query results into visuals and presented findings to teaching assistants.

HelpWanted.js

- Developed a frontend **JavaScript** library for generating website tours and tutorials.
- Used DOM manipulation to allow developers to pin annotations to webpage elements.
- Deployed a **Heroku** website to show demos, usage examples, and API documentation.

Conference Manager

- Built a scalable **Java** program to organize conference events, with 7 other students.
- Developed the backend, enabling admin users to schedule events and manage venues.
- Implemented attendee networking, Twilio SMS notifications, and Discord integration.
- Wrote **Javadoc** and follow-up report regarding **Clean Architecture** and **SOLID principles**.

TECHNOLOGIES

Languages

Java, Python, C, C#, R, Bash, Assembly Language

Web

HTML, CSS, JavaScript, TypeScript, React, Vue.js, jQuery, Node.js, Express, GraphQL

Other

PostgreSQL, MongoDB, Git, Unix, TeamCity, Makefile, NumPy, Jest, Selenium