

SUMMARY

Software engineer interested in real-time systems, high-performance computing, and being impactful.

SKILLS

- Data-oriented and object-oriented design with **C++**, **Java**, programming with **C** and **Python**
- Small team leadership, collaboration with **Git** and **GitHub**
- Frontend web development with **HTML**, **CSS**, **JavaScript**, **TypeScript**, **React**, **Redux**, **Bootstrap**
- Backend web development with **Node.js**, **Express**, **EJS**, **MongoDB**, **PostgreSQL**
- Data engineering and analysis with **SQL** and **PL/SQL** (Oracle, MS SQL Server, Db2)
- Methodologies and design patterns including **CI/CD**, **TDD**, **Agile**, **Scrum**, **Waterfall**, **MVC**

WORK EXPERIENCE

Software Developer Intern – *RBC Capital Markets, Toronto ON*

Jan 2023 – Current

Data and Reporting Analyst – *RBC Royal Bank, Toronto ON*

May 2022 – Jan 2023

- Streamlined CDIC attestation process with dataware solution, reducing labor by an order of magnitude (100+ hours/year reduction going forward)
- Migrated Word-based documentation to dataware platform, minimizing redundancy and maximizing searchability

PROJECTS

Cstructure – [GH Repo](#)

Tech Stack: TypeScript

- Led team of 2 in development of open-source code formatter for the C programming language
- Utilized an Agile, test-driven approach - responsible for the lexing module

keyCap – [Production](#) | [GH Repo](#)

Tech Stack: React, Redux, TypeScript, Bootstrap, Jest

- Designed and developed web platform for deliberate and customizable typing practice
- Utilized test-driven development, implemented front-end consumption of the [Quotable](#) web API

Ant Simulator Lite - [GH Repo](#)

Tech Stack: C++

- Developing a customizable, high performance Langton's Ant simulator for extensive pattern exploration

EDUCATION

Computer Programming Diploma, High Honours – *Seneca College, Toronto ON*

Sep 2019 – Dec 2022

AWARDS

President's Honour List – *Seneca College, Toronto ON*

F 2019, W 2020, F 2020, W 2022

In recognition of outstanding academic achievement (4.0/4.0 GPA)