

SUMMARY

Software engineer interesting in high-performance systems 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

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

May 2022 – Current

- Reducing yearly CDIC attestation labour by 90% (>100h yearly savings) by moving process to Cinchy
- Upgrading internal documentation from Word/Excel to a more appropriate dataware platform (Cinchy)
- Eliminating 10h/month overheads by assisting in migration of regulatory reporting data from Excel to SQL database

PROJECTS

Cstructure – [Code](#)

Tech Stack: C++, TypeScript

- Leading team of 2 in development of open-source code formatter for the C programming language
- Utilizing an Agile, test-driven approach - responsible for the lexing and parsing modules
- Learning lexical and semantic analysis aspects of compiler design

keyCap – [Production](#) | [Frontend Code](#) | [Backend Code](#)

Tech Stack: React, Redux, TypeScript, Bootstrap, Node, Express, MongoDB, Jest

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

Ant Simulator Lite

Tech Stack: C++, WebGL

- Developed a customizable, high throughput [command-line Langton's ant simulator](#)
- Learning WebGL to create a visual simulator that is interoperable with the command-line simulator

EDUCATION

Computer Programming Diploma – *Seneca College, Toronto ON*

Sep 2019 – Current

AWARDS

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

F2019, W2020, F2020, W2022

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