

SUMMARY

Performance aware programmer interested in real-time systems and high-performance computing. Champion of business process simplification and automation.

SKILLS

- Data-oriented and object-oriented design with **C++**, **Java**, programming with **C** and **Python**
- Data engineering and analysis with **SQL**, **PL/SQL** (Oracle, MS SQL Server, Db2), **MongoDB**
- Small team leadership, collaboration with **Git** and **GitHub**
- Full stack web development with **HTML**, **CSS**, **JavaScript**, **TypeScript**, **React**, **Redux**, **Bootstrap**, **Node.js**
- 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

- Ensuring regulatory compliance by delivering enhancements to E2E market order simulator (Ragnarok)
- Ensuring coherence of Execution Management System (ROC) utilities by bringing components up to date

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

May 2022 – Jan 2023

- Worked closely with external consultant and business members to implement 3rd party dataware solution
- Achieved savings of 100+ hours per year going forward for previously laborious business process

PROJECTS

Langton's Ant Explorer - [GH Repo](#)

Tech Stack: C++

- Discovering new Langton's Ant patterns by developing an efficient, automated simulation and image analysis toolchain
- Learning ML to automate the image pattern categorization process

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

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

- Independently designed and developed website to deliver a highly customizable typing practice sandbox
- Ensured defect-free user experience with rigorous automated testing
- Implemented front-end consumption of the [quotable](#) web API

Cstructure – [GH Repo](#)

Tech Stack: TypeScript

- Led team of 2 open-source through agile, test-driven development of open-source code formatter for the C programming language

EDUCATION

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

Sep 2019 – Dec 2022

4x President's Honour List Recipient

F2019, W2020, F2020, W2022