Nicholas Lukasevich

n.luka784@gmail.com | +1 (647) 523-7973 | GitHub | LinkedIn

SUMMARY

Software engineer with experience in electronic trading, real-time systems, and high-performance computing. Champion of business process simplification and automation.

SKILLS

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

WORK EXPERIENCE

Software Developer Intern – *RBC Capital Markets, Toronto ON*   Jan 2023 – Current

- Ensuring regulatory testing requirements are met by applying **electronic trading** and **Java** skills to deliver enhancements to existing simulation/testing software (Ragnarok), resulting in financial penalty avoidance
- Working closely with automation engineer to improve regression testing for new releases by applying **electronic trading** and **C++** skills to upgrade internal testing toolkit, resulting in richer and more automatic testing process

Data and Reporting Analyst – *RBC Royal Bank, Toronto ON*   May 2022 – Jan 2023

- Automated highly manual and time-consuming business process by applying **data modelling** and **data analysis** skills to implement a 3rd party dataware solution, resulting in 100+ hours of labour being saved each year going forward

PROJECTS

Langton's Ant Explorer – GitHub Repo | *Tech Stack: C++*

- Discovering complex Langton's Ant patterns by applying **C++** and **performance-aware programming** skills to develop an efficient simulation toolchain

keyCap – Production | GitHub Repo | *Tech Stack: React, Redux, TypeScript, Bootstrap, Jest*

- Utilized **web development** skills to create customizable typing practice tool for typists and programmers alike
- Ensured defect-free user experience with rigorous **automated testing**

Ctructure – GH Repo | *Tech Stack: TypeScript*

- **Led team of 2** in **agile development** of code formatter for the C programming language, resulting in a productivity tool which is easier to configure and use than popular alternatives such as clang-format

EDUCATION

Computer Programming Diploma, High Honours – *Seneca College, Toronto ON*   Sep 2019 – Dec 2022

4x President's Honour List Recipient