Nicholas Lukasevich [n.luka784@gmail.com](mailto:n.luka784@gmail.com)| +1 (647) 523-7973 | [GitHub](https://github.com/nluka) | [LinkedIn](https://www.linkedin.com/in/nicholas-lukasevich/)

# 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](https://github.com/nluka/langant-explorer) | *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](https://key-cap.netlify.app/) | [GitHub Repo](https://github.com/nluka/keycap) | *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](https://github.com/nluka/Ctructure) | *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