Daniel Kinsey

Software Developer   Ottawa, ON

 kinseyda.github.io   kinseyda   daniel-kinsey
 daniel.kinsey.dk@gmail.com   289-707-7122

Summary

Computer science student and **software developer** in Ottawa with several years of experience in programming.

Education

University of Ottawa — Honours Bachelor of Science in **Computer Science**
3rd Year (Graduation 2024)

- **CGPA** of **9.62**/10.

- **Dean's list** / **Merit Scholarship** recipient ×2.

Experience

Web Developer (CO-OP) — SkyWare Labs
January 2023 — April 2023

- Developed web forms and pages for a large scale web application using **Angular** (**Typescript**), **Spring** (**Java**), and **PostgreSQL**.

- Implemented backend processing and parsing for airport communications, allowing for a great deal of automated data input.

- Improved invoice generation tooling with a BiRT based system, allowing for greater customization and extensibility of reports.

- Improved flight visualizations via Leaflet, allowing for easier administration of airport data.

Personal Projects

Neural Playground
 GitHub, *Website*

- Implemented the backpropagation machine learning algorithm from scratch, along with linear algebra in **Typescript**.

- Interfaced with vis.js to create fast, intuitive visualizations for neural networks.

Moles
 GitHub, *Website*

- Created a complex game structure and UI entirely with **Vue** and **Typescript**.

- Extensively used object oriented design patterns to create a simple, easily extensible framework for the game, allowing structural modification down the line.

Skills

- **Programming**: Proficient in C, Java, Javascript, Python, SQL Typescript. Familiar with Assembly, Kotlin, Rust

- **Technologies / Frameworks**: Android, Angular, BiRT, Leaflet, PostgreSQL, RxJS, Spring, vis.js, Vue

- **Software**: Git, Unix