

Professional Summary

- Recent Computer Science graduate proficient in Python, SQL, and JavaScript with strong foundations in algorithms, data structures, and database design. Experienced in developing full-stack applications, optimizing data workflows, and building robust back-end systems while applying UI/UX best practices to enhance usability.

Skills

Languages	Python, JavaScript, SQL, Java, PHP, HTML, CSS
Databases	MySQL, SQL, MongoDB, Relational Database Design, ETL Processes, AirTable
Developer Tools	Git, GitHub, Apache, Eclipse, Visual Studio, Xcode, SQLite Studio, Microsoft Tools

Work Experience

Database Developer Intern | Claribase Vancouver, BC

May 2023 – Dec 2024

- Implemented custom JavaScript scripts to automate complex workflows that third-party tools could not handle, **reducing manual workflows by over 60%** and **saving clients \$100K+** in time year over year.
- Optimized back-end workflows by designing relational databases, enhancing client processes and supporting ETL processes during client migrations, transforming raw client data into structured formats that improved efficiency and data quality.
- Built intuitive web and mobile interfaces using **UI/UX best practices** and collaborated cross-functionally in **Agile sprints**.
- Partnered with major clients such as The Chan Zuckerberg Initiative, Vital Strategies, and UNUM, and more.

Data Management Administrator Intern | Thermo Fisher Scientific Mississauga, ON

Sep. 2022 – Dec 2022

- Created a VBA and SQL based application that **automated data entry, reducing manual effort by 75%**.
- Maintained and queried the company's database to track and interpret funding and purchase data.
- Identified, reported, and kept record of data issues and conducted monthly reports for stakeholders.

Teacher's Assistant | Wilfrid Laurier University Waterloo, ON

Sep. 2021 – April 2022

- T.A. for three different mandatory Computer Science courses for two consecutive academic terms.
- Guided new students to the **Python** programming language through labs to develop **sufficient skills for data structures**.
- Mentored an average of 15 students per week during office hours, lab sessions and online discussion forums, helping them understand the fundamentals of **Java Object-Oriented Programming, VBA, and SQL**.

Projects

AI Traffic Simulator (WIP) [Open Project](#)

- Building a real-time traffic control system in Python using Pygame using object-oriented architecture.
- Developed directional car movement and traffic light logic with stop-line detection based on signal state.
- Planned phases include AI-based light control, multi-car queuing, and collision prevention using PyTorch.

Student Grade Tracker [Open Project](#)

- Developed a **full-stack web application** to track student grades using **HTML, CSS, JavaScript, PHP** and **MySQL**.
- Utilized **MySQLi** for secure database queries, enhancing data integrity and security.
- Applied the CRUD operations using PHP and SQL for enhanced user experience and data retrieval speed.

Sublet Housing App

- Designed and developed a sublet housing application using **Java** and **SQL**.
- Collaborated in a **scrum** team of 8 using **agile methodology** and used **Git** for version control.

Education

Bachelor of Science | Wilfrid Laurier University (CGPA 3.5/4.0)

Graduation Date: Aug 2025

- Major: Computer Science, Minor: User Experience Design
- Relevant Courses: Algorithms & Design Analysis, Data Structures, Foundations of Computing, Operating Systems
- Certifications: AWS Certified Cloud Practitioner (In Progress)