

# Stefan Bucataru

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## TECHNICAL SKILLS

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**Languages:** Python, Java, C, HTML, CSS, JavaScript, Swift, SQL, Assembly, TypeScript

**Developer Tools:** Git, Docker, MySQL, React, Tailwind CSS

**Frameworks and Libraries:** Java Swing, Python Flask

## PERSONAL PROJECTS

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### Password Manager

[GitHub](#)

*Python / Flask / SQL / JavaScript*

*August 2024 – Present*

- Designed a secure Flask API with an SQL database to store encrypted usernames and passwords using Python.
- Developed a Chrome extension that seamlessly integrates with the Flask API to autofill login credentials.

### Campus Navigation Web App

[GitHub](#)

*React / TypeScript / Tailwind CSS / Python*

*April 2025 – Present*

- Developing a responsive web app to help students navigate the University of Guelph campus using open-source mapping data.
- Implementing a frontend in React with TypeScript and Tailwind CSS for a fast, mobile-friendly user interface.
- Integrating Python-based backend services to handle route calculation and classroom data management.

### Investment Portfolio Manager

*Java / Java Swing*

*September 2024 – December 2024*

- Designed and developed a comprehensive investment portfolio manager, streamlining financial asset management.
- Built robust backend functionality to facilitate buying, selling, saving, and loading stocks and mutual funds.
- Engineered an intuitive GUI using Java Swing, providing users with an interactive and user-friendly portfolio management experience.

## WORK EXPERIENCE

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### Teaching Assistant

**Guelph, ON**

*University of Guelph*

*September 2024 – December 2024*

- Led weekly lab sessions for an introductory programming course, helping students grasp foundational C programming concepts.
- Delivered personalized support during office hours, addressing student questions, debugging code, and enhancing problem-solving skills.
- Assessed assignments on Linux, providing detailed feedback to help improve coding proficiency and deeper understanding of course material.

## LEADERSHIP EXPERIENCE

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### Computer Science Club President

**Mississauga, ON**

*Highschool*

*Sept 2022 – June 2023*

- Led the Computer Science Club, organizing events and fostering a collaborative learning environment.
- Taught Python programming through interactive sessions, offering constructive feedback and addressing student inquiries.

## EDUCATION

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### Bachelor of Computing, Computer Science (Co-op)

**Guelph, ON**

*University of Guelph, Guelph, ON*

*2023 – 2028*

- Relevant Courses: Programming, Intermediate Programming, Data Structures and Algorithms, Object Oriented Programming