

SUMMARY

Software Design student at Queen's University with experience building full-stack web and iOS applications using Swift, SwiftUI, React, and Node.js. Experienced in API integration and developing data-driven user interfaces.

EDUCATION

Queen's University | *Honours B.Comp (Software Design)* | Kingston, ON | September 2022 - Present

- **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Software Quality Assurance

Certificates: Meta - The Full Stack Developer Professional Certificate (June 2025) [[Certificate Link](#)]

EXPERIENCE

Lead Software Developer, Queen's Black Tech (QBT) | *Queen's University* | Kingston, ON

September 2025 - Present

- Led development of the Queen's Black Tech website using React and TypeScript, making architectural decisions and implementing scalable frontend components.
- Built responsive React UI components and improved site performance through optimized rendering and efficient component design patterns.
- Collaborated with a student engineering team using **GitHub workflows and code reviews** to maintain clean and scalable code.

Digital Classroom Support Staff, Queen's University IT services | *Queen's University* | Kingston, ON

September 2025 - Present

- Provided real time technical support for classroom AV systems during lectures.
- Diagnosed and resolved hardware and software issues affecting teaching equipment.
- Assisted with installation and configuration of new classroom technology across campus.

Web Developer, QWeb Development Club | *Queen's University* | Kingston, ON

September 2024 - April 2025

- Collaborated with a student development team to design and prototype web interfaces using Figma.
- Implemented responsive UI components for web applications using HTML, TypeScript, and modern front-end technologies.
- Used Git and GitHub for version control, pull requests, and collaborative development workflows.

Teaching Assistant, Introduction To Computer Programming (CISC101) | *Queen's University* | Kingston, ON

September 2023 - April 2024

- Evaluated Python programming assignments for **code quality, correctness, and efficiency**, providing constructive feedback to students.
- Delivered clear, engaging Python tutorials, simplifying complex programming concepts and adapting explanations to diverse skill levels.
- Collaborated with the professor and TA team to enhance tutorial materials, share coding best practices, and improve the overall learning experience.

SOFTWARE PROJECTS

Spend Sight (iOS Personal Finance App) | Swift, SwiftUI, Vision OCR, Core Data | [[Project Link](#)] | [[GitHub](#)]

- Developed an iOS personal finance app with receipt scanning using **Apple Vision OCR** to automatically extract and categorize transaction data.
- Implemented **Core Data** for persistent local storage and offline access to financial records.
- Built financial dashboards using **Swift Charts** to visualize spending trends and improve financial insights for users.

Cheap Flight Ticket Finder (Full-stack web application) | Node.js, Express, Amadeus API | [[Project Link](#)] | [[GitHub](#)]

- Developed a full-stack flight search platform using **Node.js** and **Express** that retrieves and ranks flight offers using the **Amadeus API**.
- Implemented backend **REST** endpoints to manage **API** authentication and process flight search queries.
- Built an **autocomplete** airport search feature supporting queries by city, airport name, country, or IATA code.

Currency Converter (Java/JavaScript Project) | Java, JavaFX, REST API, JavaScript, HTML, CSS | [[Project Link](#)]

- Built a desktop currency converter using **Java and JavaFX** with a graphical user interface. [[Java GitHub](#)]
- Integrated an **exchange rate API** to fetch and display conversion rates updated daily.
- Later rebuilt the project as a responsive **JavaScript** web application to make it accessible through browsers. [[Web GitHub](#)]

SKILLS

- **Languages:** Python, Swift, Java, TypeScript, JavaScript (ES6), C++, HTML, CSS
- **Frameworks:** React, React Native, Node.js, Express, Flask, Qt
- **Databases:** MySQL, Firebase, Core Data, Supabase
- **Tools:** Git, GitHub, Xcode, Figma, Bash