

Cathleen San Buenaventura

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<https://cathleensanbuenaventura.github.io/portfolio/>

Education

Carleton University

Expected 2026
Ottawa, ON

Computer Science B.C.S. Honours, Cybersecurity Stream

- *Relevant coursework:* Data Structures and Algorithms, Web Development, Systems Programming, Database Management, Operating Systems, Discrete Mathematics I & II, Statistics

Google Cybersecurity Course

Online

1-3: Foundations of Cybersecurity, Manage Security Risks, Connect and Protect: Networks and Network Security

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript

Developer Tools & Libraries: Git, Github, VS Code, Tkinter GUI, React, Wireshark

Frameworks: Node.js, Next.js, Express, Bootstrap, .NET Framework, Linux Gnome, Libcap/tshark

Concepts: Object-Oriented Programming, JCF, Front-end, Network Analysis, Network Security, Data Privacy, Matlab, REST APIs, IP Networks, TCP Handshake & Packet Transmission, Computer Architecture

Projects

Deep Packet Analysis | Wireshark

- Engineered a network traffic analysis project using Wireshark to **capture, inspect, and dissect** HTTP and HTTPS packets, **identifying and filtering** network traffic to detect and mitigate potential security threats.

Personal Developer Portfolio | HTML/CSS

- Implemented a fully **responsive** portfolio website leveraging HTML5, CSS, and modern design principles to optimize **compatibility across devices** and screen sizes; has optimized website loading speed through efficient code structuring and resource management, ensuring a smooth user experience | aided source.
- Streamlined the **user interface (UI)** to ensure intuitive navigation and highlight a strong aesthetic focus.
- Showcases personal projects, technical proficiencies, and experience qualifications.

Password Validator | Python, Tkinter GUI

- Developed a Python-based application with Tkinter GUI to evaluate passwords adhering to specific security criteria.
- Implemented robust algorithm to assess and analyze character combinations, length, and entropy for enhanced user-security awareness. Optimized **real-time feedback** to guide users in creating stronger, more secure passwords.

Work Experience

Barista

Apr. 2023 - present
Ottawa, ON

Starbucks Corp.

- Consistently met sales targets by upselling the corporation's goods and products; **Implemented efficient strategies**, reducing customer wait times significantly, and maintained a clean, organized workspace.
- **Mentored** and welcomed new team members, facilitating their smooth integration into the team for united success.
- Resolved customer service challenges while maintaining a calm and **solution-oriented** approach under pressure; Addressed operational issues swiftly to minimize disruptions during peak hours, ensuring optimal workflows with strict **adherence to protocols**, i.e., **identified POS system issues**, collaborating with IT to enhance transaction reliability

Front-Desk Receptionist

Nov. 2022 - Apr. 2023
Ottawa, ON

Kanata Dental Centre

- Managed confidential patient records with a high level of accuracy and compliance with privacy regulations (HIPAA). Maintained and **safeguarded accurate patient records**, and monitored insurance inquiries.
- Implemented new **filing system** and worked closely with dental team to optimize appointment scheduling processes - significantly reducing time spent on administrative tasks and increasing overall clinic efficiency.
- Provided excellent **front-line support**, ensuring clear communication with patients and staff.