

# Cathleen San Buenaventura

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## EDUCATION

### Carleton University

Sept. 2022 – May 2026

*Computer Science B.C.S. Honours — Cybersecurity Stream*

- Relevant Coursework: Data Structures and Algorithms, Web Development, Systems Programming, Database Management, Operating Systems, Discrete Mathematics, Object-oriented Software Engineering, Cryptography

## CERTIFICATIONS

### CompTIA Security+ ce

Certified Sept. 2025

## WORK EXPERIENCE

### Cybersecurity Analyst Intern

Apr. 2025 – Aug. 2025

*Zummit Infolabs*

*Remote*

- Analyzed **120+** network anomalies using **Wireshark** and **tcpdump**, categorizing findings through **OWASP Top 10** to guide in the production of clear remediation and incident reports.
- Strengthened the company's **OSI Framework** (OSI) specializing in Application Layer through **collaboration** with the DevSecOps and current teams using an open-sourced interface to enhance **security compliance**.
- Presented the enhanced model to executives then clients, clearly articulating **technical value in business** propositions, resulting in a **closed deal** and **long-term client commitment**.
- Completed company skills training about WAF, VPN, Edge Protection (Cloudflare), **MSPs**, **Networking Principles**, and **Security Controls** through timely team compliance using the **STRIDE** Framework.

### Barista

Aug. 2023 – Present

*Starbucks Corp.*

*Ottawa, ON*

- Ensured accuracy in all transactions while maintaining **excellent customer service** and teamwork.
- Streamlined in-store workflows **reducing delays** by approx. **15%** through **proactive communication**.

### Front-Desk Receptionist

Nov. 2022 – Apr. 2023

*Kanata Dental Centre*

*Ottawa, ON*

- Protected confidential patient data following strict **privacy standards** and improved **record retrieval efficiency** by **25%** through **organized digital filing systems**.
- Supported daily front-line operations ensuring smooth patient flow and **consistent service quality**.

## PROJECTS

### Cloud Security | AWS CloudWatch (in-progress)

- Designed a secure **AWS** environment emphasizing least privilege **IAM** principles to minimize insider risk.
- Configured VPCs, firewall rules, and AWS Configuration policies to ensure continuous compliance with **CIS** benchmarks; will deploy **CloudWatch monitoring** to detect configuration drift and respond to threats.

### Vulnerability and Packet Analysis | Wireshark, Nmap

- Captured and analyzed live network packets to identify anomalies, **spoofing**, and **DNS tunneling** patterns.
- Mapped network exposure by scanning open ports and **cross-referencing vulnerabilities** with **CVE** databases, strengthening **endpoint defense** posture.

## LEADERSHIP

### cuHacking — Community Engagement Director

Sept. 2025 - Present

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Next.js, Express.js, Bootstrap, Qt

**Libraries:** NumPy, Libpcap/tshark

**Developer Tools:** Git, Splunk, Wireshark, VS Code, PyCharm, LaTeX, Windows, Linux