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, Software Engineering, Cryptography and Encryption

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** specializing in the 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** (Cloudfare), **IDS/IPS**, Networking Principles, and **Security Controls** through timely team compliance using the **STRIDE Threat Modeling**.

Barista Aug. 2023 – Present
Starbucks Corp. *Ottawa, ON*
- Ensured accuracy and compliance in all transactions while maintaining excellent customer service and teamwork.
- Streamlined in-store workflows **reducing delays** by **15%** through proactive **communication** and **initiative**.

Front-Desk Receptionist Nov. 2022 – Apr. 2023
Kanata Dental Centre *Ottawa, ON*
- Ensured **confidentiality and integrity of patient data** through adherence to ISO 27001-aligned privacy standards, using organized digital filing systems that improved **record retrieval efficiency** by **25%**
- Supported daily front-line operations ensuring smooth patient flow and **consistent service quality.**

PROJECTS

Cloud Security | *AWS CloudWatch (in-progress)*
- Designing a **secure AWS environment** emphasizing **least privilege IAM** principles to minimize insider risk.
- Configuring **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.

SIEM | *Splunk*
- Built a custom **SIEM pipeline** to detect brute-force attempts and anomalous logins, reducing false positives by **40%** through tuned **Splunk queries** and dashboards for **incident response** and **real-time threat detection**.
- **Implemented automated alerting** and incident **triage** improving response readiness and security automation.

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 using secure coding practices.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, Java, JavaScript, HTML/CSS
Frameworks: React, Node.js, Next.js, Express, Bootstrap
Libraries: NumPy, Libpcap/tshark
Developer Tools: Git, Splunk, Wireshark, VS Code, PyCharm, LaTeX, Windows, Linux Fedora