

Duy Bao Nam (Tyler) Dao

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[GitHub](#) | [LinkedIn](#) | [Tyler's Portfolio](#)

OBJECTIVE STATEMENT

Motivated Computer Science student seeking an 8-month co-op position where I can apply my skills in full-stack development and cybersecurity fundamentals to build secure, reliable, and user-focused applications while continuing to grow in a professional environment.

EDUCATION

Bachelor of Computer Science (Honors) (GPA: 3.6/4)

September 2023 – August 2027

Conestoga College

- **Relevant courses:** Network Security, Software Security, Mobile and Networked Systems, Operating Systems, Advanced Technical Communication.

Google Data Analytics Certificate

Archived in June 2025

Coursera

- Developed strong foundation about Excel, Google Sheets, R, Tableau.

TECHNICAL SKILLS

Security & Networking: Nmap, Vulnerability Scanning (Nessus, SonarQube), OPNsense VPN setup, Suricata IDS, IP/TCP, Network Traffic Analysis (Wireshark, pcap)

Hardware & Operating Systems: Windows, Linux (Ubuntu, Parrot OS), System Configuration, Shell Scripting (CMD, Bash, PowerShell)

Software Development: Python, C++, Java, Web Development, Database Management, Automated Testing, Performance Optimization.

ACADEMIC PROJECTS

Software Vulnerabilities Assessment (Software Security)

- Modeled threats using STRIDE/DREAD.
- Performed source code scanning in Linux and Windows using industry-standard tools.
- Conducted static analysis to prevent threats (SQL Injection, Brute-force attacks, XSS attacks, etc.).
- Developed a highly secured web-based application with input validation, encryption method to prevent injection and man-in-middle threats.

Secured Network Configuration (Network Security)

- Set up and enforced security measurement on a private VPN using OPNsense.
- Implemented rule-based IDS with Suricata to monitor the network traffic and alert on suspicious actions.
- Imposed policies and managed users, computers and resources using Active Directory Domain.

Web-based Employees Management Systems (Project-based course)

- Follow Agile methodology during the project, including weekly sprint meetings.
- Developed server – client architecture communicates via API endpoints
- Implemented and managed a NoSQL database system using MongoDB
- Built a CI/CD pipeline to automate testing and deployment
- Containerized the application using Docker for consistent development and deployment environments

More projects on my GitHub profile!

PROFESSIONAL EXPERIENCE

Restaurant Waiter

September 2024 – Present

- Provided excellent customer service in a fast-paced environment, demonstrating strong interpersonal skills.
- Managed multiple priorities, improved time management and problem-solving abilities.
- Collaborated effectively with team members to ensure seamless operations.