RILEY TRINH

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Education

Computer Systems Technology (Diploma)

British Columbia Institute of Technology, BC   2023 — Expected 05/2025

- **Coursework**: Advanced C++ Application Development, Back-End Web Development with Node.js, Advanced .NET Web Application Development, Applied IT Security Fundamentals, Data Communications, Introduction to Operation Systems, Web Application Development with PHP, Applied DevOps with Kubernetes.

Computer Systems (Certificate)

British Columbia Institute of Technology, BC   2022 — 2023

- Gained insight into databases, computer architecture, user experience design, website development, and project management.

Applied Software Development (Associate Certificate)

British Columbia Institute of Technology, BC   2021 — 2022

- Acquired a good understanding of object-oriented design, IT system analysis, and Agile methodology.

Certificates: Google IT Support, AZ-900, SC-900, AI-900

Skills

Programming: Python | Java | C | C++ | C# | PHP | SQL | HTML | CSS | Javascript

Frameworks: Node.js | Blazor

Platforms: Windows | Linux | MacOs

Projects

Securing K8s runtime

- Detected suspicious activities in Kubernetes clusters using Falco as a detection tool.
- Technology: VirtualBox, Ubuntu 22.04 OS, K3s, Helm, Grafana Loki, Falco and Falcosidekick

Man-in-the-middle (MITM) attack simulation

- Directed the victim machine to a fake webpage hosted on the attacker machine whenever the target tries to access any website from the Microsoft Edge browser.
- Concepts: Address Resolution Protocol (ARP) spoofing for intercepting traffic, DNS cache poisoning, and SSL stripping for downgrading secure HTTPS connection.
- Technology: VMWare, Windows 10, Kali Linux, Python.

Jline Website | HTML, CSS, Javascript

- Front-end Website on Github: A modern-looking, responsive website for airline companies with login forms and transition effects.

CatList App | Java

- Full-stack Android App on Google Play: Users can create notes based on different categories. They can also edit and delete notes.