

# RILEY TRINH

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## Education

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### 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

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

Frameworks: Node.js | Blazor

Platforms: Windows | Linux | MacOS

## Projects

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### 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 Falcosecuritykick

### 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.