Ciara Trinh

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EDUCATION

Wilfrid Laurier University   *Expect 2025*
Honors Bachelor of Science

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, VBA, Assembly

Fullstack Development: HTML/CSS, React, MySQL, SQL, Node.Js, JavaScript

Platform/Other: Three.js, Figma, Blender, JIRA, HP ALM, LoadRunner, JMeter

Designing Skills: Wireframing, Prototyping, Visual Design, Technical Documentation

EXPERIENCE

Performance Tester Intern   *May 2024 - Aug 2024*
FPT Software

- Wrote, modified, and tested performance scripts using **LoadRunner** and **JMeter** to ensure system reliability for web applications, handling up to **1000 concurrent users**
- Developed and documented performance test strategies in **HP ALM**, optimizing software processes and reducing testing time by **15%**
- Collaborated with cross-functional teams using **JIRA** to communicate technical problems and solutions, improving stakeholder alignment

IT Support Student   *Jan 2022 - Aug 2022*
Ecocim Corporation

- Designed and deployed computer systems for construction site operations, integrating hardware and software solutions using **Python** and **C++**
- Created and maintained technical documentation for system updates and troubleshooting, reducing team response time by **20%**
- Assisted in collecting user requirements and optimized network connectivity, supporting **50+ users** in a fast-paced environment

PROJECTS

Interactive Rubik Cube Simulator   ⬈

- Developed a **C++** application with **OpenGL** for a fully rotatable 3D Rubik's Cube, including solving algorithms and mouse-based controls for intuitive user interaction.
- Optimized rendering system to handle real-time cube manipulation, deployed as a desktop tool for educational use

Interactive Music Player Web Application   ⬈

- Built a responsive web app using **JavaScript**, **HTML/CSS**, and **Node.js**, featuring dynamic track management, playback controls, and audio visualizations
- Designed and **tested UI with CSS animations** and responsive layouts, enhancing user engagement across devices

Advanced 3D Visualization Web Application   ⬈

- Created an interactive **WebGL** scene using **Three.js** and custom **GLSL shaders** for real-time visual effects and 3D model animations
- Led development of a website integrating instanced geometries and dynamic paths, optimized for e-commerce product showcases