

Marco Lee-Shi

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EDUCATION

Bachelor of Computer Science (Honours), Co-op

University of Windsor - Software Engineering Specialization | Windsor, ON

Expected Dec 2027

Associate of Computer Information Systems

St. John's College Junior College | Belize City, Belize

Jun 2023

TECHNICAL SKILLS

Languages: Python, PowerShell, C#, Java, C, C++, JavaScript, SQL, R

Systems: Linux, Windows, Proxmox VE, Docker Compose, ZFS, TCP/IP, Tailscale, Prometheus, Grafana

Enterprise & cloud: Microsoft 365, Entra ID, Intune, Autopilot, AWS EC2/S3

Data & web: Pandas, NumPy, SciPy, PySpark, ASP.NET, REST APIs, MySQL, PostgreSQL, Git/GitHub

EXPERIENCE

IT Client Services Student Consultant

University of Windsor - Information Technology Services | Windsor, ON

Jan 2026 - Aug 2026

- Progressed from Tier 1 (Jan-Apr) to Tier 2 (Apr-Aug) support and resolved approximately 400 in-person, chat, phone, and ticket cases spanning identity, Microsoft 365, Wi-Fi/VPN, Windows endpoints, classrooms, and AV systems.
- Administered Entra ID, Intune, and Autopilot workflows and helped deploy or configure 50-80+ client, classroom, and lab systems.
- Replaced 15-30 minutes of manual setup with a logged 13-15 minute unattended workflow coordinating seven scripts and printer configuration for 14-18 Leddy Library desktops.

Statistical Research Assistant

Galen University | Remote

Jul 2025 - Aug 2025

- Built a reproducible R workflow for enrollment data cleaning, validation, exploratory analysis, multinomial logistic regression, likelihood-ratio testing, and decision-ready reporting.

Teaching Assistant

University of Windsor | Windsor, ON

Sep 2024 - Dec 2025

- Guided students through Data Structures and Systems Programming labs, debugging C++, Linux, memory-management, and foundational problem-solving issues.

Big-Data Analysis Research Assistant

Simon Fraser University | Remote

May 2023 - Aug 2023

- Supported Python, PySpark, and Spark NLP research by configuring Ubuntu environments, resolving package and dependency issues, reproducing analysis workflows, and reviewing documentation for readability.

SELECTED PROJECTS

Networked Linux Homelab

Aug 2026 - Present

- Architected a Proxmox platform with mirrored ZFS storage, Debian VM/LXC workloads, Docker Compose services, Tailscale access, Prometheus/Grafana monitoring, backups, and tested restoration.

Portfolio Risk & Allocation Analyzer

Jul 2026 - Aug 2026

- Built a Python/SciPy framework using eight years of market data to compare equal-weight, minimum-volatility, and 60/40 strategies; measured return, volatility, Sharpe ratio, drawdown, and correlations, with optimized volatility of 5.88%.

CleanSkies - NASA Space Apps 2025

Oct 2025

- Collaborated in a five-person team to deliver a C#/ASP.NET air-quality prototype combining Leaflet maps, OpenAQ, weather, and NASA TEMPO data under a 24-29 hour hackathon deadline.