

Carleton Lees

IT Infrastructure & Systems

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Project: kodocode.app

Portfolio: fives-game.pages.dev | resolvescope.pages.dev | snackie.pages.dev

PROFESSIONAL SUMMARY

Information Technology student at George Mason University (B.S., concentration in Computational Platforms and Infrastructure) with hands-on experience in hardware support, asset management, and technical operations. Self-directed homelab work spans server hardware, Linux services, Docker, OpenWrt administration, and live data recovery during hardware failure. Seeking an IT infrastructure, server support, or data center role.

EXPERIENCE

Instructor

July 2016 – January 2021

Mt. Kim Martial Arts — Vienna, VA

- Apprenticed under the headmaster while supporting instruction, operations, and studio administration.
- Reorganized supply inventory and consolidation practices to streamline daily operations.
- Instructed and supervised classes, maintaining structure, safety, and effective class flow.
- Integrated basic networking and cybersecurity practices into day-to-day business operations.
- Designed and launched online classes during COVID-19 — building the virtual-class logistics and technical support that kept the business operating through lockdowns and modernized its service model.

Student IT Assistant

September 2017 – June 2018

James Madison High School — Vienna, VA

- Supported the head of the IT department on hardware and technical support tasks across campus.
- Performed laptop and desktop upgrades, setup, imaging, and routine maintenance.
- Assisted with classroom TV standardization and deployment across multiple rooms.
- Organized and maintained school technology hardware and inventory records.
- Applied and removed asset tags to support accurate equipment tracking and lifecycle records.

PROJECTS

Kōdō Code — Creator & Maintainer

kodocode.app

- Created and maintain an open-source agentic coding tool that scaffolds end-to-end project workflows across four modes: Ask, Plan, Code, and Review.
- Designed the four-mode workflow so teams move from requirements through architecture, implementation, and code review inside one tool — adaptable to business, technical, and corporate use cases.
- Ship the project as open source, owning design, releases, documentation, and the public-facing site at kodocode.app.

Homelab & Infrastructure

Ongoing

- Built and maintain a small server rack running a self-managed homelab, with home network infrastructure on OpenWrt (router upgrades, configuration, VLAN/VPN setup).
- Operate self-hosted services and Docker containers covering media, utility, and internal tooling workloads.
- Executed a safe data migration during an active hard-drive failure, preserving data integrity and service continuity.
- Troubleshoot hardware, storage, networking, and OS issues across a mixed-platform home lab.

EDUCATION

B.S., Information Technology

August 2023 – Present

George Mason University — Fairfax, VA

Concentration: Computational Platforms and Infrastructure.

Completed coursework: IT Architecture Fundamentals, Information Security Fundamentals, Database Fundamentals, Scientific Data and Databases, Introduction to Programming, Object-Oriented Programming, Multimedia and Web Design, Applied IT Programming, Modern Telecommunications, Systems Analysis and Design, Cloud Computing (NVCC).

Upcoming coursework: Cloud Infrastructure, Operating Systems Fundamentals, Big Data on Cloud Systems, Cloud Services Management, Data Visualization and Analytics, IT Project Management, Cloud Security, Senior Design.

SKILLS

Systems: Linux, Windows, macOS, Server Hardware, Computer Hardware, Docker, Operating Systems, Homelab Administration, Data Center Operations

Networking: TCP/IP, OpenWrt, VPN, Network Troubleshooting

Support: IT Support, Help Desk, Desktop Support, Hardware Maintenance, Software Troubleshooting, Asset Management

Additional: Independent Study, Public Speaking

ADDITIONAL INFORMATION

Authorized to work in the US for any employer.