

# Carleton Lees

AI Tooling, Systems & Infrastructure Engineer  
Reston, VA



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## SUMMARY

Information Technology professional building AI tooling, systems automation, and network infrastructure across software development workflows and business operations. Experienced with Codex, Claude Code, LLM-assisted development, agentic coding systems, prompt design, AI review workflows, TypeScript tooling, VLANs, DHCP, firewall rules, VPNs, wireless access points, CAT6 termination, switch/router configuration, monitoring dashboards, ticketing, DNS, email systems, Google Workspace, Docker workloads, and OpenWrt networking.

## CORE SKILLS

### AI Tooling

Codex, Claude Code, LLM-assisted development, AI review workflows, prompt design, agentic coding systems, and developer productivity tooling.

### Network Infrastructure

OpenWrt, VLANs, DHCP, DNS, firewall rules, VPN access, wireless, CAT6, switching, routing, monitoring, and troubleshooting.

### Software & Internal Tools

TypeScript, web applications, internal tooling, product environments, workflow design, and technical documentation.

### Automation

Agent workflows, repeatable operations, GitHub-based workflows, service processes, systems automation, and AI-assisted task execution.

### Systems & Hardware

Hardware support, endpoint setup, asset tracking, device maintenance, recovery workflows, inventory records, and troubleshooting.

### Deployment & Infrastructure

Cloudflare Pages, Docker, Linux services, release workflows, GitHub operations, and deployment support.

## FEATURED WORK

### Kodo Code

Open-source AI-assisted development tool

Built an agentic coding tool that structures software work into Ask, Plan, Code, and Review workflows. Designed the project to support AI-assisted development, repeatable task execution, and clearer collaboration between human review and coding agents.

### ResolveScope

Public validation project

Created and published a Codex Creator Challenge showcase that received 500+ LinkedIn reactions. Demonstrated practical use of AI-assisted development workflows, public project presentation, and technical communication.

### Homelab & Infrastructure

Linux, Docker, networking, and recovery operations

Operate a self-hosted Linux and Docker homelab with OpenWrt networking, VLANs, VPN access, DNS, reverse proxy workflows, service monitoring, backups, and recovery procedures.

## EXPERIENCE

### Full Stack Developer, Systems Administrator & IT Support

Jan 2021 – Present

WFW Construction · [wfwconstruction.com](http://wfwconstruction.com) · Greater Atlanta, GA

Provide systems administration, IT support, full-stack development, and AI-assisted workflow automation across business-critical infrastructure, web systems, email, DNS, Google Workspace, hosting, and internal applications.

- Maintain VLANs, DHCP, firewall rules, VPN access, wireless access points, switches, routers, LAN connectivity, and CAT6 endpoint cabling.
- Build monitoring dashboards, service-status views, operational reports, and troubleshooting workflows.
- Resolve DNS, email, account access, application availability, endpoint, and business workflow issues.
- Develop Podio integrations, automation workflows, reporting tools, and web applications for construction operations.

## Instructor & IT Manager

Jul 2016 – Jan 2021

Mt. Kim Martial Arts · [mtkimvienna.com](http://mtkimvienna.com) · Vienna, VA

Taught and mentored students across all age groups while serving as the studio's IT manager. Implemented the full network stack, built the studio website, ran online classes during the COVID-19 pandemic, and administered software updates, security patches, and hardware upgrades.

- Supported network infrastructure including CAT6 cable runs, cable termination, endpoint connectivity, hardware replacement, device configuration, and network equipment maintenance.

### **Student IT Assistant**

Sep 2017 – Jun 2018

James Madison High School · Vienna, VA

Supported school hardware and classroom technology through system maintenance, inventory tracking, asset tagging, endpoint setup, imaging support, classroom TV deployment, and troubleshooting.

- Handled hands-on hardware support including laptop battery replacement, RAM replacement, desktop cleaning, classroom TV configuration, asset tagging, endpoint setup, and basic device troubleshooting.

## **EDUCATION**

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### **B.S., Information Technology**

Aug 2023 – Present

George Mason University · Fairfax, VA

Concentration: Computational Platforms and Infrastructure