

Cameron Koehler

970-420-9304 | camekommd@gmail.com | cameronos.github.io

EDUCATION

Front Range Community College

Associate of Applied Sciences in Cybersecurity

Fort Collins, CO

Aug. 2024 – expected 2026

Relevant Coursework: Networking, Cybersecurity, Operating Systems, Software Development

Fossil Ridge High School

High School Diploma

Fort Collins, CO

May. 2024

EXPERIENCE

Manufacturing Operator

Broadcom

Jan. 2025 – Present

Fort Collins, CO

- Handling of FBAR semiconductor wafers, ensuring quality and safety standards
- Operated equipment in cleanroom environment
- Supported lean manufacturing through process efficiency improvements, standard of quality
- Certified on: TEL_ACT, COT, DEV, Maxtronix AWS, ASML PAS5500, IDS, Hitachi CD SEM, Nanometrics Q240, Nikon LW200 Microscope, TC1080, Surf SP1.

Cashier Associate

Home Depot

Jun. 2024 – Jan 2025

Fort Collins, CO

- Operated POS systems with accuracy and attention to detail
- Resolved customer issues, showcasing problem-solving skills
- Maintained workflows through teamwork and adaptability

PROGRAMMING PROJECTS

CameronOS | C#, Assembly, COSMOS (now C and C++)

August 2020 – Present

- Developed an i386 32-bit operating system with a draw-order window manager and basic applications
- Created a custom VBE graphics driver for real hardware compatibility, surpassing VMWare's SVGALL and other virtual machine drivers in performance
- Focused on modularity, ensuring scalability and real hardware compatibility

Blazonah | Node.js

Jan 2021

- Developed a Discord bot that uses the DrawShield API to display user-inputted heraldic blazons as images
- Open-source project with contributions from users on GitHub
- Used on heraldry servers on social media platform Discord

OptiStatus | HTML, JavaScript, Node.js

Apr 2022

- Developed a web-based tool to monitor the up-time of the OptiFine website and related services
- Used HTTP POST health checks to track site status and notify users of service outages
- Hosted on GitHub for version control allowing for open-source contributions

TECHNICAL SKILLS

Languages: C#, C, C++, Python, JavaScript, Java, Lua, Ruby

Frameworks: HTML, CSS, Node.js, TailwindCSS, Express.js

Developer Tools: Git, VS Code, Visual Studio, IntelliJ

Libraries: ffmpeg, yt_dlp

Databases: SQL

Operating Systems: Windows 11, Linux (Ubuntu Server), Unix (Solaris)

Networking: DHCP, TCP/IP, ipSec, Cloudflare, VPNs