

Mischa Nelson

Cybersecurity Student

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Lyons, CO 80540

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Skills

- **Cybersecurity & Networking:** NIST CSF, CIA Triad, SIEM (Wireshark), Linux hardening, threat modeling & incident response
- **Programming & Automation:** Python, Ladder Logic; Rust, Java, C++ (Arduino), SQL
- **CAD/CAM & Manufacturing:** Fusion 360, LightBurn; CNC (Haas, plasma, 5-axis), PCB design
- **Electronics & Robotics:** PLC automation, proximity sensors; Fanuc arm & iRVision; assembly & troubleshooting
- **Project & Soft skills:** Planning & risk assessment, team leadership, clear communication, problem-solving

Certifications

In Progress

- **Cisco Certified Support Technician (CCST): Networking**
Covers: OSI & TCP/IP models; CLI navigation; LAN/WAN configuration; IPv4 & IPv6 subnetting; network security controls; risk assessment
- **Google Cybersecurity Professional Certificate**
Covers: cybersecurity fundamentals; system administration basics; network defense & threat detection; identity & access management; incident response; compliance & governance

Completed

- **Google Cybersecurity Professional Certificate**
Covers: cybersecurity fundamentals, system administration basics, network defense & threat detection, identity & access management, incident response, compliance & governance, Linux security tasks, firewall & VPN configuration, breach investigation, and security policy development
- **PMI Project Management Ready**
Covers: project life cycle & phases; stakeholder analysis; scope, schedule & cost management; basic risk & quality management; project documentation
- **Autodesk Certified User: Fusion 360**
Covers: parametric modeling; sketching & constraints; assembly design; technical drawings; basic CAM toolpaths; rendering basics.

Experience

Career Elevation and Technology Center / Manufacturing

2023

Operated and maintained CNC and manual machinery for custom part fabrication. Collaborated with team to design and build functional parts from metal and plastic. Utilized Fusion 360 and LightBurn for CAD/CAM workflows. Gained experience with CNC plasma cutting tools.

Innovation Center / Project management

2023

Led planning and logistics for a STEM event with over 100 attendees. Coordinated tasks, managed timelines, and ensured successful execution. Designed communication materials and guided the event team.

Competitions

CyberPatriot

Competed in the CyberPatriot National Youth Cyber Defense Competition Focused on securing and defending a Windows Server environment against cybersecurity threats in a timed environment.

Education

APEX HOMESCHOOL PROGRAM

Expected Graduation: May 2026

Career Elevation and Technology Center (CETC)

Advanced Manufacturing & Technology

St. Vrain Valley Schools Innovation Center

Cybersecurity, Project Management

Aims Community College

Concurrent Enrollment in Cybersecurity / Manufacturing

Awards

Member of the National Technical Honor Society