

CLAIRE LUEKING

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EDUCATION

B.S. Applied Computer Science | University of Colorado Boulder | August 2023 - December 2025

- Major GPA: 3.68/4.0
- Relevant Coursework: Introduction to Cybersecurity, Computer Systems, Software Development

B.A. Integrative Physiology | University of Colorado Boulder | August 2019 – May 2023

- Cumulative GPA: 3.23/4.00
- Minor Sociology

CERTIFICATIONS

CompTIA Security+ Certification | CompTIA | November 2025 – Present

- Implemented security controls using firewalls, encryption, and MFA
- Identified and mitigated threats through network security, incident response, and vulnerabilities

Google IT Professional Certificate | Google on Coursera | November 2025 – Present

- Provided IT support for hardware, software, and networking across multiple platforms
- Configured operating systems, cloud services, and network infrastructure while applying cybersecurity best practices

Google Cybersecurity Professional Certificate | Google on Coursera | July 2025 – October 2025

- Hands-on experience with Linux, Python, SQL, and SIEM tools for monitoring and threat detection
- Applied NIST frameworks to incidents and implemented authentication, access control, and vulnerability remediation.

TECHNICAL SKILLS

Computer Languages: Python, SQL, HTML, CSS

Software and Operating Systems: Linux, Windows, Mac, GitHub, Microsoft Office Suite

Other: Vulnerability Identification & Analysis, Networking (TCP/IP), Scripting

EXPERIENCE

CTF Participant, Target + WiCyS Cyber Defense Challenge | Remote | July 2025 – August 2025

- Exploited system vulnerabilities using OSINT and Linux-based tools
- Conducted real-time threat analysis under high-pressure conditions

IT Team Member, Blueprint Boulder | Boulder, CO | February 2025 – June 2025

- Integrated secure development practices into Software Development Lifecycle
- Deployed web applications, meeting security and compliance requirements for nonprofit clients
- Facilitated agile workflows and iterative delivery processes

Project, Software Development Methods and Tools | Boulder, CO | August 2024 – December 2024

- Designed SQL database and Python backend architecture
- Implemented foundational security controls and data validation protocols

Climbing Gym Attendant | Boulder, CO | May 2024 – December 2024

- Protected membership data integrity through secure POS handling and controlled access
- Enforced organizational security protocols, identifying non-compliance and mitigating risk behaviors
- Managed customer access, applying physical security awareness and threat recognition

LEADERSHIP AND ORGANIZATIONS

Women in Cybersecurity (WiCyS) | Denver, CO | October 2024 – Present

- Engaged in professional development workshops, technical webinars, and security conferences
- Networked with industry experts and explored emerging tools, threats, and career pathways

Social Director | CU Women in Computing | Boulder, CO | May 2024 – May 2025

- Organized networking events linking students with industry professionals in CS and cybersecurity
- Built and managed a member community supporting skills development, mentorship, and collaboration