

Kasper Allais

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EDUCATION

Colorado School of Mines
Computer Science | Focus: Cyber Defense

B.S. May 2026

PROFESSIONAL EXPERIENCE

MDC, Web Development Intern

May 2024 - October 2024

- Designed and implemented user-friendly front-end pages, ensuring seamless navigation and intuitive user experience
- Wrote clean, efficient code following industry best practices for security, minimizing vulnerabilities in the development
- Collaborated with the development team to troubleshoot issues, streamline workflows, and ensure that all web pages met client specifications

Netisys, Software Development Intern

June 2023 - August 2023

- Developed a server monitoring tool in Java to track uptime and send alerts when servers experienced downtime
- Gained hands-on experience in networking protocols and security by monitoring system performance for breaches
- Optimized software for real-time notifications, significantly improving the team's ability to respond to incidents and downtime

Sports Car Repair, Mechanic

Jan 2022 - April 2022

- Performed routine maintenance and diagnostic checks on vehicles, ensuring optional functionality and safety
- Managed customer service records, keeping detailed and accurate documentation of all service work and repairs

CERTIFICATIONS

CompTIA Security+ (3ZE2M3B6FBB11XS8)

- Gained a comprehensive understanding of security concepts, including network security protocols, authentication methods, and encryption techniques to safeguard systems and data
- Developed skills in identifying, analyzing, and responding to cybersecurity threats, including malware, phishing, and social engineering attacks
- Learned how to implement risk management strategies, conduct vulnerability assessments, and apply security controls to ensure the integrity and confidentiality of organizational systems

LEADERSHIP & INVOLVEMENTS

Mines Lacrosse Team, Fundraising Chair

March 2024 - Present

- Raised \$4,240 in sponsorships and donations to support team operations, travel expenses, and purchasing equipment
- Cultivated and maintained relationships with donors, ensuring continued financial support through regular communication and updates

National Organization for Business and Engineering (NOBE), Secretary

May 2024 - Present

- Accurately recorded meeting minutes, maintaining an organized record of all club activities and decisions
- Assisted in planning and coordinating events, helping to create valuable learning experiences for members

LEADERSHIP & INVOLVEMENTS

Cybersecurity Skills: Vulnerability Scanning (Nmap, Nessus), Network Traffic Analysis (Wireshark, tcpdump), Active Directory, Bash Scripting, Identity and Management Concepts, Encryption Basics

Relevant Coursework: Cryptography, Operating Systems, Computer Organization, Systems Programming, Algorithms, Database Management (SQL), Software Engineering

Languages: English (Native), French (Native), German (Working)