

# Kasper Allais

Houston, TX | (832)-869-6242 | [kallais@mines.edu](mailto:kallais@mines.edu) | [www.linkedin.com/in/allaisk](http://www.linkedin.com/in/allaisk)

## EDUCATION

---

**Colorado School of Mines**

**B.S. May 2026**

**Computer Science | Focus: Cyber Defense**

## 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, TCP/IP, Linux

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

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