

# Moheeb Aljaroudi

Manhattan, KS • [moheeb@aljaroudi.net](mailto:moheeb@aljaroudi.net) • 785-317-0001 • [LinkedIn](#) • [GitHub](#)

## EDUCATION

**BS Computer Science & Engineering**, Kansas State University - Manhattan, KS (May 2022)

- Selected coursework: Data and Program Structures, Object-Oriented Design, Calculus I/II/III, Engineering Physics, Discrete Mathematics, Introduction to Probability and Statistics, Database System Concepts, Software Architecture and Design, Enterprise System Administration, Concurrent Software Systems, Algorithm Analysis, Fundamentals of Cryptography.

## PROJECTS & COMPETITIONS

- **KSU Cyber Defense Club** (May 2019 - May 2022)
  - Maintained private virtual network infrastructure to ensure security and performance of a network used by multiple university courses, faculty, and to host cybersecurity competitions. Assist students with account issues, implement network reliability tools, and serve as a board member.
  - Earned second place at 2019 CANSec Invitational red team/blue team competition at Iowa State University as a blue team member.
  - Earned second place at 2022 National CDC competition at Iowa State University as a blue team member
- **LibTTA-rs** - A Fast and Safe Audio Encoding/Decoding Library Ported to Rust, Originally Written in C.
- **TOSH** - A Linux Shell Powered by TOML Format for Simplicity Written in Rust.
- **TRun** - A TOML Script Runner for Automation and System Management.
- **Minimal\_RSA** - A Fast Implementation for The RSA Cryptosystem.
- **Minimal\_SHA3** - An Implementation for the SHA3 Family Written According to NIST's FIPS 202 Standard.

## JOB EXPERIENCE

**Student System Administrator**, Kansas State University - Manhattan, KS (May 2021 - May 2022)

- Facilitated maintaining the Computer Science department network to ensure security of the infrastructure and accessibility by students and faculty.
- Set up lab rooms and 85 new devices to be used for department courses and students in the upcoming semester while maintaining the operating system of security vulnerabilities.
- Automated the installation and security configurations of operating systems, and optimized software installation process for the devices used by the department.
- Resolved students and faculty requests for setting up websites, running servers, and managing technical difficulties with servers and workstations.
- Installed and maintained log analytic tools for protecting the department network from security threats and vulnerabilities.

## SKILLS

- **Operating Systems:** Windows, MacOS, Linux.
- **Network Protocols:** IPv4, IPv6, FTP, DNS, DHCP, HTTPS, SSH, DOH, DOQ, DOT.
- **Languages:** Rust, C, Go, Java, CSS, HTML, Python, C#, NASM, GAS, MySQL, PostgreSQL.
- **Virtualization:** Qemu, VMware, VirtualBox.
- **Other:** Ansible, Git, Github, CI/CD, EC2, ElasticSearch, OpenSearch, Nagios, Logstash.