

LUKE KATSEL

520-273-8933 | katselluke@gmail.com | <https://linkedin.com/in/luke-katsel>
Portfolio: [GitHub](#)

OBJECTIVE

Driven and adaptable professional with a strong foundation in cybersecurity, software development, and systems administration. Seeking to leverage problem-solving skills, technical expertise, and a passion for continuous learning to contribute to innovative projects and deliver impactful solutions in a dynamic technical environment.

PROFESSIONAL & LEADERSHIP EXPERIENCE

GEICO

Service Representative

Tucson, Arizona

July 2025 – Present

- Participate in comprehensive training on GEICO systems, policies, and customer service procedures.
- Develop skills in insurance policy management, billing processes, and effective communication.

University of Arizona, Cyber Security Clinic

Cybersecurity Volunteer

Tucson, Arizona

Sep 2024 – Present

- Developed a Python-based web scraping tool to extract job postings from multiple employment websites for cybersecurity labor market analysis.
- Contributed to data collection and research efforts aimed at identifying trends and skills demand in the cybersecurity job market.

University of Arizona, The Office of Presidential Events

Administrative Assistant

Tucson, Arizona

March 2023 – July 2025

- Supervised and coordinated the efforts of student workers during high-profile university events, ensuring tasks were completed efficiently and professionally.
- Contributed to the planning and execution of various events within the Office of Presidential Events and University Ceremonies.

University of Arizona, The Office of Strategic Initiatives

Administrative Assistant

Tucson, Arizona

Nov 2020 – May 2024

- Orchestrated operations and logistics coordination for more than 20 COVID-19 testing locations at The University of Arizona.
- Utilized project management tools including Smartsheet, Box, and Teams to enhance efficiency and organization.

EDUCATION

University of Arizona, College of Applied Science and Technology

Bachelor of Applied Science in Cyber Operations

Tucson, Arizona

August 2024

- **Major:** Cyber Operations
- **Emphasis:** Cyber Engineering

University of Arizona, College of Applied Science and Technology

Undergraduate Certificate in Cyber Operations

Tucson, Arizona

August 2024

- **Specialization:** Cyber Operations

Notable Courses: Cyber Warfare, Cloud Computing, Active Cyber Defense, Cyber Investigations and Forensics, Malware Threats and Analysis.

Core GPA: 3.4

PROFESSIONAL CERTIFICATIONS

Google Cybersecurity Certificate (2024)
CompTIA Security+ (in progress)

HOMELAB EXPERIENCE

- Built and maintain a HomeLab SOC using pfSense, Security Onion, Proxmox, and a Brocade managed switch, implementing VLAN segmentation, full-packet capture, and network monitoring with Zeek and Suricata.
- Simulate and respond to security incidents end-to-end, including custom detection rule creation, IOC analysis, log correlation, and incident reporting to practice real-world SOC workflows.
- Virtualize Windows and Linux hosts for adversary emulation, analyze malicious behavior in a controlled lab, and independently troubleshoot and secure configurations to strengthen technical expertise.

SOFTWARE EXPERIENCE

- Developed scripts and tools in Python to automate tasks, analyze data, and support homelab security projects.
- Implemented low-level algorithms and debugging routines using C and Assembly, reinforcing understanding of system internals.
- Utilized Git for version control and Docker for containerized application deployment in personal and academic projects.
- Designed and documented end-to-end technical solutions, integrating networking, system administration, and software components.

SKILLS, ACTIVITIES & INTERESTS

Programming Languages: Proficiency in Python, C, and x86 Assembly

Linux: Proficient in Ubuntu and Kali Linux operating systems. Adept at utilizing Kali tools for effective penetration testing procedures.

Computer systems: Personal interest/experience in computer systems, including both the hardware and software components of computers.

Achievements: Boy Scouts of America: Eagle Scout Rank. Dean's list with distinction x2 and Honorable mention x3.

Interests: Skills in welding and automotive work.