Khael Kugler

+1 (512) 840-8424 | khaelkugler@gmail.com | Austin, TX
github.com/KhaelK138 | linkedin.com/in/khael-kugler | hackerone.com/malfuncti0nal

EXPERIENCE

Praetorian, Austin, TX   **June 2024 - Present**
Security Engineer II
- Executed penetration tests for Fortune 500 clients across diverse engagements, including web applications, IoT, networks, cloud, APIs, and red team operations.
- Developed and delivered detailed reports to clients, outlining the risk, impact, likelihood, and remediation recommendations for each vulnerability, ensuring clear understanding and effective resolution.

NCC Group, Austin, TX   **May 2023 - August 2023**
Cybersecurity Consultant Intern
- Conducted in-depth web application and network penetration tests for enterprise clients, delivering comprehensive vulnerability reports and explaining necessary remediation steps.

PROJECTS

- **UT Austin Bug Bounty program - #1 Leaderboard Spot:** Identified 40+ security vulnerabilities within UT's web and network infrastructure, significantly contributing to remediation efforts.
- **Detecting Obfuscated Malware with Machine Learning:** Implemented a custom PyTorch neural network and multiple Scikit-learn models trained on over 58,000 system memory dumps to:
    - Determine whether or not a memory dump indicated malicious activity with over 99% accuracy.
    - Differentiate between the various types of malware affecting the system, if present.
- **Vulnerable Web Application**: Developed a complex Python Flask web application intentionally laden with vulnerabilities to educate others on exploitation techniques and remediation strategies.

LEADERSHIP

UT HASH Association of Student Hackers, Austin, TX   **September 2023 - May 2025**
CCDC 2024 Nationals Placer, CPTC9 Global Finals Competitor
- Placed 3rd overall in the 2024 National Collegiate Cyber Defense Competition.
- Conducted penetration tests on simulated corporate environments and presented vulnerability reports.

UT Information & Systems Security Society, Austin, TX   **August 2021 - May 2024**
Vice President, Engineering Officer
- Prepared and presented security talks on web application hacking and machine learning to over 60 members.
- Designed cybersecurity challenges for CTF competitions, including "UTCTF" with over 1500 teams globally.

EDUCATION

The University of Texas at Austin, Austin, TX   **August 2021 - May 2025**
Bachelor of Science in Computer Science, Certificate in Applied Statistical Modeling
- **GPA**: 3.72
- **Relevant Coursework**: Ethical Hacking, Principles of Machine Learning, Neural Networks, Artificial Intelligence, Operating Systems, Computer Architecture, Data Structures, Algorithms, Modern Web Apps

SKILLS

- **Languages:** Proficient in Python, C, and Java; familiar with x86 Assembly, PHP, HTML, SQL, and JavaScript.
- **Tools:** Experienced with Burp Suite, Kali Linux, Metasploit, Ghidra, gdb, git, VS Code, and Microsoft 365.
- **Foreign Language:** Proficient in French