

Atahan Emir Kucuk

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EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Information Technology

December 2022

- **Majors:** Cybersecurity and Network Engineering Technology
- **Organizations:** Purdue Cycling Club, Photography Club, Turkish Student Association
- **Awards:** Semester Honors (Spring 2021)
- **Related Coursework:** Cyber Forensics, Cybersecurity Fundamentals, Data Communications and Networking, Database Fundamentals, Incident Response Management, Internet Design and Implementation, Systems Development, Intro to Cryptography, Network Administration, Network Security, Object Oriented Programming, Storage Area Networking, Systems Administration, Systems Programming, UNIX fundamentals, Wireless Networks, Vulnerability Analysis and Testing, Social Engineering, Systems Analysis and Design, Cyber Criminology

PROJECT EXPERIENCE

Personal Website

December 2021

- Designed and developed my personal website to showcase my previous personal projects and course lab work.
- Tech Stack: Next.js, Chakra UI, Framer Motion, Vercel

CTFs and Cybersecurity Training

June 2021- Present

- Participated in the open access Virtual Experience Programs with Forage provided by the following companies:
 - ANZ, Goldman Sachs, Genius Armoury
- Participated in CTFs (Capture the Flag) and training/learning modules offered by RangeForce, TryHackMe, HackTheBox and Cybrary.

Coding Projects

August 2018- Present

- Utilized Oracle SQL to filter out a database and created ERD designs of the database.
- Used WordPress for designing a website that simulates an e-commerce warehouse management system.
- Wrote several Python and Bash/Shell scripts and programs.
- Developed applications using Java, C#, and C.

Course Lab Work

August 2018- Present

- Deployed and experimented with several enterprise network environments which involved multiple different network products from different vendors, Active Directory, VPNs, routing, firewalls, and network administration.
- Deployed a virtual enterprise network which included legacy systems and modern systems, developed, and implemented Computer Incident Response Plan (CIRP) and tested it against attacks targeting the CIA (Confidentiality, Integrity, Availability) triad, and hardened the Ubuntu machine per CIS Ubuntu Linux Benchmarks.
- Built a Raspberry Pi security camera with motion detection capabilities using OpenCV that notifies via email.
- Performed digital forensics labs on given disks or disk images.

SKILLS & INTERESTS

Programming Languages: Python, Java, C, C#, SQL, Bash, JavaScript

Operating Systems: Windows, Windows Server, Linux (Kali, Ubuntu, CentOS, Debian, Arch), FreeBSD, MacOS

Tools: Wireshark, Autopsy, OSSEC, Elastic Stack, pfSense, VyOS, Metasploit, TrueNAS, VMware ESXI, VMware Workstation, Nessus, Nmap, Tableau, Power BI, WordPress, Magnet AXIOM, OSForensics, Cellebrite, Git

Hardware: Raspberry Pi, Cisco IOS Networking Devices, Aruba Networking Gear

Networking: Routing Protocols, Active Directory, VPN Protocols, TCP/IP, OSI Model

Hard Skills: Penetration Testing, Forensics Investigation, Risk Assessment, Intrusion Detection, Troubleshooting

Certifications: Certified Ethical Hacker (CEH), Programming for Everybody (Coursera), Goldman Sachs Engineering Virtual Program (Forage), ANZ Cyber@ANZ Program (Forage), Introduction to Cybersecurity Virtual Experience Program (Forage)

Languages: Turkish, English, French

Interests: Mountain Biking, Hacking, Gaming, Programming, Travelling, Photography