LUIS FELIPE

B.S. ROBOTICS & DIGITAL SYSTEMS ENGINEERING | SOFTWARE DEVELOPER

📞 +52 5578924217

✉️ felipeflourwears619@gmail.com

👤 linkedin.com/in/luis-felipe-flores

🌐 WebSite-Portfolio

EXPERIENCE

2021 | EMBEDDED DEVELOPER INTERN | INTEL

Programming of FPGAs and hardware architectures, including block logic breakdown, with experience in Verilog and VHDL.

2022 | SOFTWARE DEVELOPER IN ROBOTICS | MANCHESTER ROBOTICS

Programmed Puzzlebot Robot Edition with ROS (Robot Operating System) for Hack Edition, utilizing Python, OpenCV, and PyTorch. Integrated with Google Colab and Deep Learning technologies, employing a Jetson board throughout the process.

2022 - 2023 | CYBERSECURITY HUB TESTER AUDITOR | HUB TECNOLÓGICO DE MONTERREY

- Conducted penetration testing and vulnerability assessment using reverse shell, SQL injection, Metasploit, GTFOBins, OWASP ZAP, and Nessus to identify and exploit server vulnerabilities
- Configured secure cloud networks for AWS instances, including VPCs, NAT gateways, subnets, security groups, load balancers, IAM roles, S3 Buckets, and SQS.
- Performed forensic computer analysis with Autopsy, FTK Imager, and RegRipper to collect, analyze, and present digital evidence.
- Developed cyber intelligence skills to identify Advanced Persistent Threat (APT) groups using MITRE ATT&CK framework, including detection and mitigation strategies.
- Proficient in Nmap, Mutillidae, WireShark and other commonly used penetration testing applications

2023 –2024 | SOFTWARE DEVELOPER | POPATELIER

- Experience using and managing virtual machines using Oracle VirtualBox and Linux and Windows operating systems.
- Experience using AWS services, including EC2 (Load Balancers, Snapshots, Elastic IP, Security Groups, Access List), S3, Route 53, IAM, and CloudWatch.
- Experience creating websites with Flask Python
- Experience in creating secure Flask-based websites with Python, including API integrations, CMS development, and user requirements analysis.
- Developed various small-scale web projects using JavaScript, HTML, and CSS, focusing on responsive design and interactive features.
- Developed and implemented various projects using Arduino, Raspberry Pi, and ESP32, focusing on hardware integration, sensor data acquisition, and automation.

CERTIFICATIONS AND ACOMPLISMENTS

AWS Academy Cloud Foundations

AWS: Learned to effectively use a broad range of AWS services, including EC2, S3, SQS, Load Balancer, Route 53, Access Lists, Security Groups, VPCs, NAT Gateways, VPNs, IAM, Cloud9, CloudWatch, Lambda, and Snapshots.

Cibersecurity Training OEA 2023

Participated collaboratively in a Latin American cybersecurity Capture The Flag (CTF) competition, utilizing various tools such as Wireshark, Nessus, Metasploit, and Nmap to escalate privileges on Linux servers and successfully locate the flags.

Cibersecurity Training OEA 2022

Participated collaboratively in a latinamerican cybersecurity Capture The Flag (CTF) challenge obtaining the 5th place and Learned to use cybersecurity monitoring and analysis tools such as Vision One and Cloud One from Trend Micro.

Puzzlebot Robot Winner

Winner of the PuzzleBot Hacker Edition in collaboration with Manchester Robotics and The University of Manchester, England, configuring and programming an NVIDIA Jetson Nano Card with Python, TensorFlow, DeepLearning and Computer Vision.

CISCO - Introduction to Packet Tracer

Learned to simulate networks in Packet Tracer and developed problem-solving skills.

TryHackMe - Introduction Cibersecurity Learning Path

Learned to simulate networks in Packet Tracer and developed problem-solving skills.

EDUCATION

B.S. Robotics & Digital Systems Engineering
Tecnológico de Monterrey Campus Santa Fe
2019 - 2024

Cibersecurity Concentration
Tecnólogico de Monterrey Hub Cibersecurity
2022 - 2023

TECHNOLOGIES

- AWS (2 years)
- Python, C++ (2 years)
- JS, HTML, CSS, PHP (2 years)
- React (6 months)
- Github, Git (4 years)
- SQL, MySQL (1 year)

LANGUAGES

Spanish Native
English B2