Augustine Solis

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Education

Texas A&M University RELLIS, College of Engineering — College Station, TX
Bachelor of Science in Computer Science — *Aug. 2023*

Blinn College — Bryan, TX
Associate of Science in Computer Science — *Aug. 2019 – May 2020*

Texas A&M University, College of Engineering — College Station, TX
Bachelor of Science in Computer Science — *2011-2012*

Certifications

CompTIA Security+ | **Offsec OSCP**

Experience

Makerspace Manager — July 2015 – May 2016
Binary Space — *College Station, TX*

- Communicate with managers to set up various tools/CNC equipment for member use
- Assess and troubleshoot computer/machine problems brought by members, faculty and staff
- Maintain upkeep of computers, makerspace equipment, and develope classes/presentations for projects/instructional material

CNC Machinist — May 2016 – Dec 2018
3D Distributed — *Conroe, TX*

- Made parts to spec from CAD Drawings from Aluminum, Brass, Delrin
- Developed CAD Drawings for Large Format 3D Printers
- Developed configurations, wiring diagrams, documentation and implementations for said systems

Projects

IRONSIGHT | *React, TypeScript, CSS, Python, SQL and PHP*

- Developement of Cyber Range Deployment, Analytics and Management tool
- Used to help students and administration with CS and Cyber cirriculum implementation
- Full Stack Application with inegrated dashboard, quering, posting data and automating admin tasks for VM deployment

OSCP Prep | *Python, AD, Linux, Windows*

- Using Cybersecurity principles in practice during labs on various platforms, TryHackMe, HackTheBox, Proving Grounds, PEN200
- Over 100 boxes solved in preparation for OSCP, greatly improved notes, organization and documentation skills
- Implemented homelab using segmented networking, OpenSense, Proxmox, Unraid and various VMs for Linux, AD and malware analysis practice

3 Axis AI PTZ Camera | *Arduino, C++, Python, OpenCV*

- Built using 3D printed gears, bearings and casing. Arduino for stepper motors and drivers.
- AI Object tracking implemented with RaspberryPi4, touchscreen and 64MP Autofocusing Camera using C++ and OpenCV

Technical Skills

Languages: Java, Python, C/C++, Swift, SQL, TypeScript/JavaScript, HTML/CSS, PHP, ARM Assembly
Cyber Related: Wireshark, Nmap, Burp Suite, Metasploit, C2 Frameworks, JtR/Hashcat, Responder, Bloodhound, Kerberoasting, Active Directory, Powershell, Bash, Nessus, OSINT, Privilege Escalation, Lateral Movement, LOtL
Frameworks: React, Node.js, NextJS, Material-UI
Developer Tools: Git, Docker, AWS, VS Code, Visual Studio, Eclipse
Operating Systems: Windows, MacOS, Linux(Kali,Ubuntu,PopOS)
Circuit Development: Eagle, PCB construction(photo and film resist and CNC milling methods), reflow soldering