

Horacio Gonzalez

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EDUCATION

New Mexico State University

Las Cruces, NM

- B.S. Cybersecurity, expected Spring 2025; GPA 3.96; Honors, Latinx Recognition Honoree Aug. 2021 – May 2025

C1b3rwall Academy, Spain National Police and European Cybercrime Training Education Group bootcamp (Remote)

- Cybersecurity and Fight against Cybercrime course certificate Feb. 2020 – May 2020

WORK EXPERIENCE

Verizon Innovative Learning STEM Achievers

Las Cruces, NM

Student Assistant

January 2023 – May 2025

- Instructed 150 middle school students in 3D Printing, 3D Design, AI, Robotics, Programming, Drones, and Virtual Reality as part of a dynamic summer camp curriculum.
- Developed and delivered lesson plans designed to foster creativity, technical skills, and enthusiasm for STEM fields.

Discovering Computational Thinking through Creative Writing: DEPICT

Las Cruces, NM

Student Assistant

July 2023 – Aug. 2023

- Supported the camp's mission of introducing a group of 15 high school students to computational thinking through engaging and imaginative teaching methods.
- Developed and employed educational tools to provide dynamic, hands-on learning experiences, integrating basic cryptography and cryptogram concepts to inspire curiosity in computational problem-solving.

SKILLS

- Kali Linux, Alma Linux, OpenSUSE, Debian/Ubuntu, MS Windows, macOS, Parrot OS
- Java, C/C++, Assembly, HTML, R, Python, SQL, JS, Bash
- Malware Analysis RE: Ghidra, IDA, x64dbg, Flare VM
- Dev Tools: JGrasp, Eclipse, Visual Studio, PyCharm
- Scanning/Recon, vulnerability analysis, OSINT, digital forensics, Reverse Engineering, Pentesting.
- Proxmox, AWS, Docker, Suricata, Metasploit, Nmap, Nessus, Wireshark, Mitre Caldera
- Bilingual - fluent in Spanish
- Drone Pilot and Building expertise

HONORS / AWARDS / ACHIEVEMENTS

- NeuralNIDS (AI-driven IDS w/ custom ML, Suricata integration, real-time alerts & web dashboard) Spring 2025
- Proxmox home lab for penetration testing & NeuralNIDS validation with custom attack simulations Spring 2025
- LoRa-based Encrypted Group Chat (AES-128 mesh network w/ RYLR998 modules, PC interface) Spring 2025
- AWS Cloud Foundations Certificate of Completion Spring 2025
- SWCCDC 2025 Quals, Security Analyst (Incident Response, Forensics), NMSU Blue Team Spring 2025
- NCL Hackathon (422/8435 nationwide, NMSU 2/14 Cybersecurity Club individual game rank) Fall 2024
- Hivestorm Competition (116/413 nationwide team rank) Fall 2024
- NCL Hackathon (197/7394 nationwide, NMSU 1/13 Cybersecurity Club individual game rank) Spring 2024
- 1st place Math Problem of the Week competition at NMSU Fall 2023
- 1st place Hackathon at GMiS Conference Fall 2023
- Juan Wick: Pixel Vengeance (2D Video Game Shooter project written in java ~9,000 LOC) Fall 2023
- AAAS S-STEM Research Poster: Sentiment Analysis Model to Detect Suicidal Social Media Posts Fall 2023
- URCAS Research Poster Presentation: Cyber Threats Facing Autonomous and Connected Vehicles Spring 2023
- Dean's List and Crimson Scholar, exceptional academic achievement Fall 2021-Spring 2025
- CAHSI NMSU S-STEM program Scholarship Fall 2021-Spring 2025

COURSEWORK

- Object Oriented Programming (C++)
- Intro to Data Structures (Java)
- Machine Programming and Organization
- Intro to Personal Information Security and Privacy
- Computer Networks I
- Digital Forensics and Incident Response
- Operating Systems
- Hardware Security
- Software Development
- Cryptography
- Linux System Administration
- Malware Analysis: Reverse Engineering
- Database Management Systems I
- Ethical Hacking
- Cellular Networks / Mobile Computing
- Cloud and Edge Computing