Gabriel Morán Catón

gabriel.facility459@passinbox.com | linkedin.com/in/gabriel | github.com/gmoran-c

Education

University Carlos III of Madrid — Leganés, Madrid
Bachelor of Computer Engineering - 102/240 credits — *August 2024 — May 2029*

Experience & Achievements

BE.Hackathon — April 2026
Organized by BEST UC3M in collaboration with JetBrains — *Madrid, Spain*

- Developed and presented a technical solution as part of a team in a highly demanding environment over a 24-hour competition
- Recognized by the organization among the top 6 best projects, evaluated by a specialized jury among all participating teams
- Certificate of Participation awarded by BEST UC3M and JetBrains

C1B3RTR4CKS – 4th Edition — May 2025
Cybersecurity & Cyber Intelligence Conference — *Universidad Autónoma de Madrid, Spain*

- Attended talks and workshops on cybersecurity and cyber intelligence, backed by Future Space and UAM

Projects

Custom Firmware & Self-Hosted Home Server | *Proxmox VE, Arch Linux, Hardware Modding* 2025 – Present

- Repurposed a ThinkPad T430 by replacing its display panel and flashing custom firmware to the motherboard
- Deployed Proxmox VE as a type-1 hypervisor to self-host virtualized services on the repurposed hardware
- Built and configured a custom Arch Linux-based operating system tailored to the server's workloads

Hardened Arch Linux Workstation | *Arch Linux, linux-hardened, LUKS, Hyprland, Bash* 2025 – Present

- Configured primary workstation on Arch Linux with the linux-hardened kernel and full-disk encryption via LUKS
- Set up Hyprland (Wayland compositor) alongside a suite of security-hardening tools and best practices
- Wrote custom Bash scripts/aliases to seamlessly switch Git identities (university vs. personal) and SSH configurations for multi-account workflows

Certifications

CompTIA Security+ (SY0-701) | *In Progress* — Expected August 2026

- Threats, vulnerabilities and mitigations: threat actors, attack vectors, malware, and mitigation techniques
- Security architecture: cloud, IoT, ICS, data protection, and resilience models
- Security operations: vulnerability management, IAM, incident response, and enterprise security tools
- Security program management: risk management, compliance, audits, and security awareness

Future Certifications

CompTIA CySA+ (CS0-003) | *Planned* — Expected 2027

- Security operations: log ingestion, malicious activity indicators, threat hunting, and SIEM tooling
- Vulnerability management: asset scanning, CVSS prioritization, exploitability assessment, and mitigation controls
- Incident response: MITRE ATT&CK, cyber kill chain, forensic analysis, and BC/DR planning
- Reporting and communication: KPIs, stakeholder communication, root cause analysis, and lessons learned

Technical Skills

Languages: Python, C/C++, SQL (Oracle), RISC-V, BASH Script
Developer Tools: Git, VSCode, PyCharm

Languages

Spanish — Native
English — B2