

JAVIER FLORES

IT infrastructure, cybersecurity and AI engineering

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I'm an AI engineer at Beacon Industries, a defense manufacturer in Connecticut, where I'm also the IT engineer and cybersecurity manager. I run and secure the environment, from endpoints, identity and the network to the CMMC and NIST SP 800-171 controls on top, and I build AI and software projects end to end. Before that I worked IT and security at Access Health CT and the Connecticut Judicial Branch. I co-founded NJ Developments, a web and AI agency, and I'm finishing an MS in Cybersecurity at Quinnipiac.

EXPERIENCE

Beacon Industries

May 2026 to now

AI Engineer, Newington, CT. Also the IT engineer and cybersecurity manager.

- Led readiness for a successful DoD DIBCAC assessment with the ISSO and assessment team: updated the SSP, wrote and reviewed policies and procedures, drove remediation and walked the government auditors through the evidence.
- Own CMMC and NIST SP 800-171 control implementation: the risk assessment, the identity, endpoint and network changes that satisfy each control, and the evidence that proves it at audit.
- Cleared the enterprise vulnerability backlog, criticals first, with scripted remediation, patching, policy changes and compensating controls on legacy equipment that can't be patched. Built monitoring in Python, PowerShell, Intune and Defender XDR that catches recurring vulnerabilities and configuration drift.
- Handle incident response and daily IT operations for the site, plus root-cause troubleshooting of authentication, VLANs, firewalls, DNS and wireless connectivity. Did the entire RADIUS setup when the requirements changed: a new network across all the access points, signing in with Entra ID credentials.
- Run and harden Intune, Entra ID, Defender XDR, Purview, Microsoft 365, Azure, AWS, UniFi, and the Windows, macOS and Linux fleet behind them.
- Own four AI and software initiatives start to finish, built on RAG, embeddings and agentic workflows, and write the services myself in Python and TypeScript. I demo the work every week to NASA, U.S. Air Force and U.S. Navy technical and program leaders and turn their feedback into the next release.
- Built an engineering-simulation surrogate model end to end: research, data preparation, development, validation and scoring, and presenting the results.
- One direct report. I give technical direction to the offshore offices and work directly with the ISSO and the Software Chief.

NJ Developments

Jan 2022 to Jun 2026

Co-founder, Technical Lead, Connecticut

- Co-founded the company with two partners. Led engineering and also handled outreach, discovery, proposals, pricing, demos and support across a seven-client portfolio.
- Delivered 30+ production sites and applications supporting 1,000+ users. Hand-coded, mobile-first HTML, CSS and JavaScript on Firebase by default, and WordPress, Wix, Squarespace or Elementor when the client was already on one.
- Built and self-hosted an internal AI knowledge assistant over the company's documents and operational data (LLM APIs, RAG, MCP tools), running 24/7 on a Linux VPS.
- Built AI voice agents for 24/7 call answering, plus review and follow-up SMS automation for client lead capture.

Access Health CT

Jun 2025 to May 2026

Information Technology Intern, Hartford, CT

- Ran control analysis in RSA Archer against MARSE and ARC AMPE, documented the gaps, tracked remediation and worked the on-site security audits.
- Administered an IT environment of 300+ users, produced evidence for a SOC 2 audit and ran access reviews.
- Scored 9+ asset management platforms through vendor demos, presented the pick to IT, Finance and leadership, and helped lead the reconciliation of 2,000+ hardware assets into one inventory.

Connecticut Judicial Branch

May to Aug 2024

Endpoint Management Intern, East Hartford, CT

- Deployed and secured endpoints statewide with SCCM, Intune, Defender and PowerShell, and packaged and tested applications for the move from SCCM to Intune.
- Wrote the statewide deployment documentation the team worked from. Hunted threats in Defender and triaged alerts.

theCoderSchool

Apr to Aug 2024

Computer Science Instructor, Glastonbury, CT

- Taught computer science to students ages 8 to 16, one on one and in larger classes.

SELECTED PROJECTS

- **NIST SP 800-171 score calculator** (live at javierrflores.com). Mark requirements as unmet to see an estimated SPRS score, an illustrative CMMC Level 2 status and a POA&M list you can copy. Weights come from the DoD Assessment Methodology and 32 CFR 170. Educational, not an assessment or certification.
- **Knox** (in daily use). My personal AI agent. It keeps memory across sessions in plain files, reaches Gmail, Calendar, GitHub and internal APIs through MCP tools, runs scheduled jobs, and talks over real-time voice with cost-based routing between local and frontier models.
- **CBNA member and event platform** (in production). Client platform for the Connecticut Business Networking Association. I led technical delivery: member and nonmember registration, event payments, QR check-in with duplicate-scan protection, digital membership passes, attendee rosters and CSV exports, and an AI assistant on the public site.
- **Evidence validation with specialist agents** (in progress). Team capstone for my MS in Cybersecurity. Agents that each know one NIST SP 800-171 control family check submitted evidence against the requirement's assessment objectives, and a person makes the call. Write-up and code after December 2026.
- **btcv2** (research). Trading research platform. A transformer forecasting model plus technical analysis across FX, crypto and equities, with broker API integration and eleven independent risk guards on execution, including drawdown limits, ATR position sizing and permanent safeguards against real-money orders.

RESEARCH

Borderless Crimes, Bordered Justice: Cyberfraud in Southeast Asia. Senior thesis and research poster, Quinnipiac University, May 2026. Why Southeast Asian scam compounds outrun law enforcement: the payment, platform, AI and anonymization layers cross borders in minutes while legal cooperation takes months. Comparative case study of Cambodia, Myanmar and Laos, with China as a test case, and six infrastructure-layer recommendations.

EDUCATION

Master of Science, Cybersecurity, Quinnipiac University

Expected May 2027

Bachelor of Science, Computer Science, Quinnipiac University

May 2026

SKILLS

Security and GRC: CMMC, NIST SP 800-171, NIST 800-53, NIST CSF, RMF, CUI, SSPs and audit evidence, RSA Archer, SOC 2 evidence, Vulnerability management, Incident response, Threat hunting

Platforms and cloud: Intune, Entra ID, Defender XDR, Purview, Sentinel, Microsoft 365, Azure, AWS, Tenable, UniFi

Applied AI: RAG, Embeddings, Agents and tool calling, Structured outputs, Evaluation, MCP servers, Claude, OpenAI and Azure OpenAI

Software: Python, TypeScript, PowerShell, Bash, SQL, React, Node, FastAPI, PostgreSQL, Firebase, Docker, HTML and CSS