

DANIEL MONZON

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SUMMARY

Forward-deployed engineer who **builds and sells** — I ship production AI/LLM systems into live customer environments end-to-end, from discovery and scoping through integration, deployment, and support. UF Computer Science (B.S./M.S., 3.8 GPA), NVIDIA-partnered robotics-AI background, and enterprise credit-risk analytics experience. Bilingual English / Caribbean Spanish.

TECHNICAL SKILLS

AI / LLM: Claude, OpenAI & Gemini APIs · prompt engineering · LLM pipeline & eval design · PyTorch

Languages: Python · Go · TypeScript / JavaScript · C++ · SQL · SAS

Integration & Deployment: REST API design & system integration · Docker · Linux / Bash · Git · GitHub Actions · WebSockets (socket.io)

Data & Platforms: pandas · NumPy · Oracle / SQL warehouses · REDCap · Salesforce · Notion · CRM & scheduling integrations

Customer-Facing: technical discovery · scoping · scoped proposals · executive communication · bilingual EN / Caribbean ES delivery

EXPERIENCE

Founder & Solutions Engineer — Daniel Monzon Automation (DMA)

2024 – Present

Independent AI deployment practice — bilingual EN/ES voice agents & workflow automation

Orlando, FL

- Design, build, and deploy **bilingual (EN/ES) AI voice-agent and workflow-automation systems into live production** for small and mid-sized service businesses — owning the full cycle from discovery and scoping through integration, launch, and ongoing support.
- Ship customer-facing LLM systems on a production stack (voice agents, CRM/scheduling integrations, post-call data pipelines), translating owner pain points into deployed technical solutions running against real call volume.
- Ran all go-to-market solo — discovery calls, scoped proposals, and deployment — landing 3 live deployments and a paying production client at \$300/mo recurring, with an active pipeline scaling toward \$1K MRR.

Lead Software Engineer → Delivery Owner — CogAbility — Mars Rover AI Lab (UF × NVIDIA) 05/24 – Present

Promoted from Software Engineer → Lead Engineer → delivery owner

Gainesville, FL

- Shipped an AI/robotics curriculum **into live production for UF's AI Fundamentals course** (NVIDIA Isaac Sim, Webots) — owning scope, milestones, and release readiness for a cohort of up to ~1,000 students.
- Built and owned the simulation infrastructure, network-communication backend, and Python video-streaming layer, making runs reproducible across environments so new engineers onboard and deploy in days rather than months.
- Engineered a real-time computer-vision pose-recognition system over WebSockets (socket.io) driving interactive behavior in a production web app.

Credit Risk Analyst — Business Leadership Program — Synchrony

06/25 – 07/25

Recovery Strategy — Data & Decision Support

Stamford, CT

- Built a value-based account-segmentation model (SAS decision trees) over Oracle data warehouses, ranking thousands of accounts by propensity-to-pay and balance; validated in-time and out-of-time across recent placement vintages.
- Translated model output into interpretable, executive-ready recommendations the recovery-strategy team acted on directly.

PROJECTS

PipelinePulse — AI Sales-Ops Automation — Python, Docker, Claude API

2026

- Built an end-to-end automation pulling open Salesforce opportunities via REST API, scoring deal health with deterministic rules, and posting an LLM-generated daily pipeline digest with recommended next actions into Notion.
- Designed a config-driven, Dockerized workflow with a reusable prompt framework and scheduled GitHub Actions runs — keeping the LLM on language and rules on the math for reliable, reusable deployment across teams.

HelloG8r — Secure Code-Execution Platform — Go, Clojure, Next.js/TypeScript, Docker

2026

- Built a Docker-hardened Python execution pipeline (network-isolated, read-only, dropped Linux capabilities, no-new-privileges, enforced CPU/memory limits) delivering production-grade OS-level isolation for untrusted student code.
- Designed and validated the REST execution API (/api/execute/python) and achievement schema, aligning a Go backend, Clojure problem generator, and Next.js frontend across a five-person senior project.

EDUCATION

University of Florida — Herbert Wertheim College of Engineering

Gainesville, FL

M.S. Computer Science (online, project-based)

Expected Summer 2027

B.S. Computer Science · Minors in Mathematics & Physics · **GPA 3.8 / 4.00**

May 2026

Certifications: NVIDIA Deep Learning Institute · AI Fundamentals & Applications

Coursework: Machine Learning · Deep Learning · Programming Language Principles (Compilers) · Information & Database Systems · Data Structures & Algorithms

LEADERSHIP & HONORS

- **Physics Learning Assistant, UF** (01/25 – 06/25) — coach students in small groups and office hours; design faculty-backed activities that lift performance. · **IoT Club Outreach Chair, UF** (04/23 – 09/24).
- **Honors:** SAGE IT USA Scholarship · UF CISE Undergraduate Scholarship · Hispanic Scholarship Fund Scholar.