

Gabe Vandevere

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EDUCATION

University of Delaware

Bachelor of Science in Computer Science; Minor in Mathematics

GPA: 3.87/4.00

Newark, DE

Expected Spring 2027

Dean's List: Six semesters

SKILLS

Languages: Python, TypeScript/JavaScript, Java, C++, C

Frameworks & Tools: React, React Native, AWS (Bedrock, EC2), PostgreSQL, Git/GitHub, Linux, Linear, Excel

EXPERIENCE

The RxAssistant

AI Product QA / Operations Consultant

Remote

May 2026 - Present

- Authored **69,000+ surviving lines of code**, representing **50.5% of the current 137,000-line production codebase**, across 200+ commits to an internal React/TypeScript platform; implemented safety review, automated MLR submission documents, and live multi-brand configuration as well as supporting migration from old codebase.
- Led demo development and enterprise demonstrations of an AI field-intelligence platform for field reimbursement teams; translated requirements from numerous client meetings into approved-document search, patient-data lookup, ambient visit analysis, and AI role-play training features that supported signed client engagements.
- Contributed to the delivery of **10+ client-facing AI prototypes and demos across 10+ pharmaceutical brands**, partnering directly with engineering, product, leadership, and client teams from requirements and technical implementation through staging and release.
- Authored and executed **100+ UAT and adversarial test cases** for regulated conversational AI, validating adverse-event and product-complaint detection, emergency routing, off-label and hallucination boundaries, PII handling, and multilingual or misspelled inputs; identified defects and verified safety-critical fixes before release.

Westpepper Capital

Quantitative R&D Intern

Radnor, PA

Jun 2025 - Aug 2025; Dec 2025 - Feb 2026

- Built an end-to-end ML and backtesting pipeline ingesting earnings, guidance, and analyst-estimate data from REST APIs; trained and evaluated **15 model variants** with up to **57% next-day direction accuracy** in historical tests.
- Deployed Java services on AWS EC2 to capture real-time Kraken order books and maintain historical data across **200+ cryptocurrency markets**.
- Developed and backtested proprietary trading strategies in Java, C++, Excel, and VBA, including arbitrage, high-frequency, price taking, and market making strategies; one build advanced to production after sustained performance.
- Built a Python analytics pipeline and dashboard used daily, automating email ingestion, P&L and volume aggregation, Excel exports, and Matplotlib reporting.

PROJECTS

Edge AI Inference & Observability Platform

Jetson Orin Nano Super | GitHub

- Architected and deployed a framework-free edge AI platform on a Jetson Orin Nano Super using hand-written ES modules, a Python standard-library API, Caddy, Cloudflare Tunnel, and llama.cpp; served a **9-billion-parameter model fully on-device** with server-sent-event token streaming.
- Productionized shared single-GPU inference with server-side prompt and API-key isolation, bounded context and output, request queueing, and per-visitor and global rate limits; exposed live GPU, memory, temperature, power, uptime, and generation-speed telemetry.
- Built a SQLite-backed admin and first-party analytics system for sessions, engagement, bots, conversations, email, and audit logs; automated build and deployment with cache busting, validation, selective service restarts, and local and public smoke tests.

Automated Short-Form Video Generation Pipeline

Python

- Automated media sourcing, Whisper transcription, MoviePy/FFmpeg/pydub composition, synchronized audio and subtitles, and YouTube Data API publishing in an end-to-end Python pipeline, eliminating manual production and upload steps.