

DYLAN FAHRNBACH

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EDUCATION

Xavier University — Cincinnati, OH
Computer Science

Expected May 2028

EXPERIENCE

Founder — Parallax Intel (parallax-intel.com)

[Month Year] – Present

- Founded and built a prediction market intelligence platform end-to-end — architected real-time data ingestion, fair-value modeling, and the user-facing product.
- Own end-to-end product and technical decisions, iterating independently since launch.

Freelance Web Developer — Self-Employed

[Month Year] – Present

- Designed, built, and deployed production websites for two local business clients end-to-end, from requirements gathering through launch, using React and Next.js.
- Configured and managed hosting and delivery infrastructure using Cloudflare (DNS, CDN) and domain registration via GoDaddy.
- Used agentic AI coding tools (e.g., Claude Code) to accelerate implementation while owning architecture, code review, and QA.

TECHNICAL PROJECTS

Algorithmic Trading System — Polymarket

- Built a fair-value modeling engine and real-time WebSocket data pipeline for algorithmic market-making on Polymarket prediction markets (V2 rebuild), with maker/taker fee-aware execution logic.

AI Fine-Tuning & Distributed Inference Pipeline

- Built a Python pipeline to generate synthetic question-answer training data from PDF textbook content.
- Fine-tuned Qwen2.5-Math-7B using QLoRA (via Unsloth) on Apple Silicon hardware.
- Designed and operated a distributed inference cluster across multiple Mac Minis using Nix and exo.

SKILLS

Languages: Python, JavaScript/TypeScript

Frameworks & Infrastructure: React, Next.js, WebSockets, Cloudflare (Workers/DNS/CDN), Nix, Git

AI/ML: QLoRA, Unsloth, agentic AI-assisted development (Claude Code)

CERTIFICATIONS

FAA Part 107 — Remote Pilot Certificate (Commercial UAS)