

Jack Sturtevant

jack@sturt.io [✉](#) | sturt.io [✉](#) | 508-951-0133

SKILLS AND PROFILES

Skills : Python | GPU / CUDA Pipelines | Model Fine-Tuning | vLLM Serving & Quantization | Kubernetes | Docker | CI/CD | SQL
Postgres | Vector Search & RAG | LLM Tooling | AWS | GCP | Git | Computer Vision / VLMs

Profiles : LinkedIn jack-sturtevant [✉](#) | Github jacksturt [✉](#)

EXPERIENCE

Coordinator, LLC

Lead Engineer (Contractor)

Remote

March 2026 – September 2026

- Multi-sport LLM fine-tuning pipeline (football, basketball, hockey, golf, endurance) on H100 GPUs: corpus curation, two-layer training architecture, continuous feedback-retraining loop, quantization for vLLM serving
- Built self-hosted CI/CD infrastructure for the end-to-end test suite: serial vs. parallel job split, switched LLM backend to cut per-run cost
- Self-hosted GPU voice pipeline (Whisper STT; benchmarked and swapped TTS engines for latency and compatibility), later shipped as production voice messaging (STT/TTS via OpenRouter) in the web app
- Video/VLM pipeline: Qwen3-VL and Cosmos-Reason2 inference for at-the-snap play/formation detection; iteratively tuned confidence thresholds and frame preprocessing; clip/frame storage on MinIO + Postgres
- Wearable sensor data pipeline (IMU wrist prototype) for athlete movement tracking, plus swing-video pose-estimation analysis
- Third-party data-access gateway (scoped, revocable tokens) evolved into an app store: template registry, per-app data storage, 3-way merge reconciliation for template updates

Ralli

Founder

Remote

January 2025 – October 2025

- Built ETL pipelines ingesting live and historical odds, player props, and stats from third-party sports APIs (The Odds API and others) into a normalized Postgres (Supabase) data store
- Designed data model and ingestion cadence supporting a real-time fantasy sports and social betting product
- Sole engineer scaling data infrastructure and product from part-time to full-time (July 2025)

Applied Intuition [✉](#)

Software Engineer

Mountain View, CA

July 2020 – October 2021

- Developed (full stack) intranet for managing developers, teams, and customers, vastly improving efficiency of all employees
- Helped close multiple million dollar deals through creation of a license dashboard demonstrating client product usage trends
- Improved average customer support response time from > 1 day to < 1 hour through creation, automation, and maintenance of custom Zendesk solution

Independent Software Consultant

Founder / Contract Engineer, early-stage ventures

Remote

October 2021 – December 2024

- Led engineering for multiple early-stage startups as founder and contractor, spanning full-stack web development and small team leadership

Hydraze, Inc

Chief Technology Officer

College Park, MD

January 2019 – July 2020

- Built an IoT sensor network (Raspberry Pi + Arduino) for automated facilities data collection and a management platform to view device and usage data

Amazon Web Services

SDE Intern

Seattle, WA

May 2019 – August 2019

- Enabled mathematical verification of AWS products through compilation from Dafny to Java, see [Github](#) [✉](#)

EDUCATION

A. James Clark School of Engineering, University Of Maryland

GPA: 3.93

Bachelor of Science in Computer Engineering, University Honors, Cum Laude

- QUEST [✉](#) : Honors program focused on business and technology collaboration for solving complex design challenges