

Jason Hwa

jasonhwa@gmail.com · (571) 429-0010 · jasonhwa.com · linkedin.com/in/jason-hwa

AI BUILDER & CONSULTANT

SUMMARY

Statistician (Carnegie Mellon) with 15+ years turning messy data into decisions; since 2025, building production agentic AI systems end to end: real-time market-pricing and calibration engines, automated execution loops, and LLM/vision tooling inside real business apps. I take a messy source, build a rigorous quantitative pipeline, and wrap it in a system that runs itself.

SELECTED AI PROJECTS (2025-PRESENT)

EV Blacksite · solo-built production SaaS

- Designed, built, and shipped the entire platform solo (a Next.js front end, an Express API, a Python data pipeline, and a FastAPI service) on AWS with CI/CD, backed by a ~39-model Postgres database and an S3/Athena analytics lake.
- A self-hosted MCP server (~49 tools) and public REST API; an agentic chat assistant with a bounded tool-use loop and human-in-the-loop write gates; and an autonomous nightly agent that grades and sizes strategies unattended, all on top of an engine that continuously prices 80+ sportsbooks to surface the best bets.

Commission intelligence tool · internal app, a regional auto-dealership group

- Next.js/TypeScript compensation system with per-person plans, approval workflow, 2FA, and audit logging; an Anthropic + Gemini vision pipeline parses sales screenshots into structured data.

Energy-sector data platform · a US energy utility / consultancy

- Python/Postgres/AWS data-transformation and modeling pipeline for grid-generation data; AI-assisted delivery into a production environment.

Automated betting execution · a product of EV Blacksite

- Automated trading system that runs all day on EV Blacksite's verified math and strategies; an MCP layer drives pricing, sizing, and placement across books and exchanges, unattended on a fixed schedule, with fail-closed safety and performance-gated self-benching.

SKILLS

Languages: Python, TypeScript/JavaScript, C#, SQL, R

AI / agents: tool-use loops, MCP servers, OpenAI · Anthropic · Gemini, vision extraction, RAG, LLM evaluation

Backend / infra: Node/Express, Next.js/React, FastAPI · AWS (ECS, S3, Athena, Secrets Manager), Docker, GitHub Actions

Data: Postgres, Prisma, SQLAlchemy, pandas · Tableau, QuickSight

EXPERIENCE

Independent Data & AI Consultant · freelance

Remote · 2020-Present

- Freelance data consulting and custom tooling; since 2025, building production AI systems end to end (see Selected AI Projects), often from problem to working prototype in hours.

Head of Reporting & BI · Kabbage, Inc. (now American Express)

New York, NY · 2018-2020

- Owned all reporting and business-insights activity; migrated legacy reports to a full-stack service with scheduling, quality checks, distribution, and alerting.
- Built real-time Tableau dashboards per team; led a distributed team on weekly agile delivery. Cut one credit-line process from a full day to ~15 minutes via automation.

Sr. Manager, DS & Reporting · Orchard Platform (acq. by Kabbage)

New York, NY · 2014-2018

- Built Orchard's custom reporting system and automated daily PDF client reporting (tables and charts in R); prototyped a Python capital-allocation tool that shipped as a front-end product for loan-origination clients.

Principal Analyst · Agilex Technologies (acq. by Accenture)

Chantilly, VA · 2012-2014

- Led teams building a risk model scoring inbound international cargo for narcotics, improving seizure capture up to 3× over prior models and deploying two updates to all southern-border ports of entry with government partners.

EDUCATION

Carnegie Mellon University · M.S. Statistical Practice (2011); B.S. Mathematical Science, Operations Research (2010), minor Computational Finance. Graduated with honors; High Honor Dean's List, multiple semesters.

This résumé was designed and generated with AI, the same way I build everything.