

David Adams

Business Operations and Data Systems

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Professional Summary

Data science graduate student with a business and marketing background who designed, built and runs the operations platform a North Hollywood media-storage business uses every day: inventory, orders, purchasing, QuickBooks data and sales. Owns systems end to end, from the database and integrations to the people who use them.

Education

University of Colorado Boulder | MS in Data Science, in progress (online) Expected 2027 | GPA 3.7

Coursework: probability and statistical inference, algorithms, relational databases and SQL, data visualization

University of Idaho | BS in Business, Marketing December 2021

Skills

Data: SQL (PostgreSQL), Python (pandas, scikit-learn), R, database design, statistics, backtesting

Systems: FastAPI, Next.js, Docker, Linux, API integrations (QuickBooks, eBay, Apollo), Cloudflare, QNAP NAS

Business: QuickBooks Desktop, Excel and Office, inventory, purchasing and vendor pricing workflows

AI tools: Claude Code and Codex for development; language-model pipelines with fact-checked, rule-bound output

Professional Experience

Inventory & Logistics Coordinator

Sep 2025 – Present

IVB Media Services | North Hollywood, CA

- Designed, built and maintain the company's internal operations platform (FastAPI, PostgreSQL, Next.js on Docker) covering inventory, sales and purchase orders, serial-number receiving, returns, user roles and reporting.
- Connected the platform to QuickBooks Desktop through read-only exports imported every 30 minutes, keeping QuickBooks the book of record and closing purchase orders automatically once QuickBooks marks them received.
- Automated eBay fulfillment: shipped orders post tracking back to eBay, record a delivery signature and send the office an "OK to invoice" email; will-call pickups are signed on a phone at the counter.
- Merged 48 duplicate SKUs and placed every active item in a 39-category taxonomy.
- Built a sales lead engine that finds purchasing decision-makers through the Apollo API within a monthly credit budget, prioritizes accounts, and validates every outreach draft against claims the company can prove.
- Built an "ask for a report" tool: staff type a business question and get a read-only SQL report with a chart and table they can download.
- Run shipping and receiving independently; building distributor price comparison for purchasing.

Projects

Prediction-market research and trading system

2026

- Built an automated research and trading system for Kalshi prediction markets: scheduled data collection, weekly model retraining and hard risk limits (drawdown-based size cuts and a daily stop).
- Test ideas on held-out data with rules fixed in advance; in one study 103 variants across 9 directions were evaluated and none reached live trading.

E-commerce ETL pipeline and data warehouse

github.com/daviddaadams

- Python pipeline that validates order, customer, product and inventory files on six data-quality dimensions and loads a star-schema warehouse (daily sales fact table, customer history kept with SCD Type 2), so an analyst or manager can report sales by product, category and customer segment over time.

Earlier Experience

Marketing Associate, Rosewood Revitalization Group: email campaigns and community outreach

2021

Marketing Team Member, Palouse Properties: website redesign and a rental-season marketing plan

2020

Sports Journalist, Page6Sports: ran the college football section; feature carried by Bleacher Report

2016–2018