

Farhan Zermatt Faisal

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EDUCATION

University of California, Berkeley

B.A. Data Science, Economics, and Cognitive Science

Berkeley, CA

Expected 2028

Coursework: Computational Structures in Data Science, Econometrics, Finance, Microeconomics, Macroeconomics

EXPERIENCE

Technical Co-Founder

DiliPilot

Jul. 2026 – Present

San Francisco Bay Area, CA

- Architected and built an SMB diligence platform turning financial documents into source-linked financial analysis.
- Designed ingestion and extraction pipelines retaining provenance through normalization and classification.
- Built adjusted EBITDA, add-back, DSCR, and downside-scenario calculations with reproducible financial outputs.
- Built analyst review and approval workflows linking extracted figures to source documents and parser versions.
- Routed extraction, classification, and verification across 3 model providers by task, reliability, and inference cost.
- Added 61 RLS policies and audit logs; tested workflows with 112 suites, 34 end-to-end specs, and an accuracy harness.

Software Engineering Intern

PunchPie

Aug. 2024 – Dec. 2024

San Jose, CA

- Updated PunchPie's loyalty and rewards frontend and Python backend, using pandas for data processing.
- Developed recommendation logic and LLM prompts to suggest customer reward goals within the loyalty platform.

SELECTED PROJECTS

Forecast — Prediction Market Discovery

Next.js, Python, Supabase

- Built a Next.js app with hourly Python ingestion via GitHub Actions and 47K+ market records in PostgreSQL.
- Ranked markets using SQL LATERAL joins and 3 percentile-scaled momentum signals with a 5-minute cache.
- Shipped topic feeds, localStorage watchlists, Recharts price charts, and input-validated CLOB API routes.

Solana Sentinel — Wallet Research Platform

TypeScript, Zod, PostgreSQL

- Implemented 3 TypeScript modules for wallet sell-to-buy matching, backtest validation, and traceable events.
- Added Zod schemas, transaction deduplication, and chronological train/validation/test splits to block leakage.
- Made PostgreSQL ingestion atomic with versioned checkpoints and replay-safe writes; verified 421 tests in CI.

Jev Trader — Paper Execution Research

TypeScript, Bun, Kuru SDK

- Built a Bun/TypeScript paper engine with Kuru RPC books, WebSocket trades, and queue-based fill simulation.
- Integrated Zod-validated model adapters with persistent request caps, HTTP 429 cooldowns, and stale-feed stops.
- Replayed 57 heuristic decisions against 398 receipt-verified trades, modeling order latency and execution costs.

LEADERSHIP

Eagle Scout

Boy Scouts of America

Jan. 2019 – Nov. 2023

Santa Clara, CA

- Led 100+ scouts across 10+ projects, coordinating logistics, resources, and 900+ service hours.
- Digitized troop operations, improving resource allocation 25%; completed National Youth Leadership Training.

Head Tutor

Andalusia Academics

May 2021 – Jan. 2023

Fremont, CA

- Designed 60+ personalized learning plans in math and chemistry, supporting a 25% performance gain.

SKILLS

Product & Analytics: Market research, competitor analysis, financial modeling, Excel, PostHog

Engineering: TypeScript, Python, SQL, R, React, Next.js, Node.js, PostgreSQL, Supabase, Git

AI & Delivery: Anthropic, OpenAI, Gemini APIs; structured outputs, evaluation harnesses, Vercel, Playwright