

Seth Metcalf

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EDUCATION

University of California, Berkeley

B.A. in Data Science & Economics

Aug 2020 – May 2024

Berkeley, CA

- Selected Coursework: Machine Learning, Probability, Econometrics, Data Structures, Statistical Prediction.

EXPERIENCE

Data Scientist, Compensation Systems

Mercor

Aug 2025 – Present

Remote

- Built and maintained the end-to-end bonus payment system for hundreds of contractors, validating weekly payouts totaling hundreds of thousands of dollars.
- Designed Airtable systems using linked records, rollups, and nested conditionals to automate major portions of a previously manual workflow.
- Used SQL and Excel (VLOOKUP, INDEX/MATCH, SUMIFS, pivot tables) to reconcile relational datasets across Airtable, HEX, and Excel exports.
- Built performance and payout dashboards to improve contractor visibility and reduce operational support load.

Senior Frontend Developer, LLM Systems

[AI Company]

Jan 2025 – Jul 2025

San Francisco, CA

- Improved accuracy and pass rates of a large-scale, chat-based code assistant by developing targeted datasets that revealed common failure patterns in React/Next.js/FastAPI tasks.
- Reviewed and debugged hundreds of model-generated full-stack codebases, identifying issues in state management, accessibility, and performance.
- Resolved model-generated bugs across Django, sympy, scikit-learn, and other libraries, refining the model's behavior in realistic coding scenarios.
- Designed onboarding and review workflows for 200+ contributors, increasing throughput and output quality by ~30%.

Data Scientist/Finance Intern

Berkshire Hathaway Homestate Companies

June 2023 – May 2024

San Francisco, CA

- Identified \$15k/month in unused corporate phone and car expenses through automated reporting and presented findings directly to the CFO.
- Set up and evaluated LLMs (BART, Llama, MPT, Vulcan, etc.) in Databricks for internal use while maintaining strict client-data privacy.
- Built a sentiment-analysis system for client communications (Python + SQL) and integrated results into PowerBI dashboards used for ongoing internal monitoring.

Full-Stack Developer, Founder

GFXTheory LLC

2017 – 2025

Remote

- Built and maintained production websites and design systems for clients in gaming, real estate, freight, and tech, using React, TypeScript, Tailwind, and standard web tooling.
- Delivered recurring development and UX work for companies with 50+ employees, focusing on usability, responsiveness, and maintainability.

PROJECTS

AI Poker Bot (TypeScript, Node.js, Express, Puppeteer, SQLite)

- Built an autonomous poker-playing agent that ingests live game state and makes real-time decisions using poker heuristics and LLM-based strategy.
- Engineered Puppeteer + PokerNow API scraping to capture player actions and board state with minimal latency.
- Created a SQLite-backed opponent profiling system with state validation and safety checks to ensure consistent in-game actions.

SKILLS

Programming: Python, JavaScript/TypeScript, Java, C, SQL, R

ML/AI: scikit-learn, Hugging Face Transformers, PyTorch, TensorFlow, PySpark, LLM fine-tuning, prompt engineering

Web Development: React, Next.js, Tailwind, Redux, Django, FastAPI, Node.js, REST APIs

Data/Infrastructure: ETL pipelines, Spark, SQLite, Supabase, Airtable, PostgreSQL, MySQL

Cloud/DevOps: GitHub Actions, Azure DevOps, basic AWS experience

Testing: Python unit testing (pytest/unitest)

Other: Git, Databricks, Snowflake, Google Cloud Platform, accessibility (ARIA, semantic HTML), component libraries (e.g., MUI, shadcn)