

James Evers

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Work Experience:

Technical Cofounder, Stealth Startup, New York - June 2025 - present

- * Designed and prototyped an agentic system for real-estate market forecasting
- * Established the project's technical foundation and research roadmap toward production-grade agents
- * Integrated economic forecasting models with agentic workflows to develop novel forecasting methodologies

Senior Machine Learning Engineer, Shopify, New York - January 2024 - May 2025

- * Owned the streaming service responsible for producing Shop and Storefront search embeddings
- * Optimized search serving infrastructure to serve search LLM predictions at p50 < 6ms and p90 < 16ms at 20 QPS.
- * Drove development of server design and infrastructure deployment of Shopify's LLM agent, Sidekick.
- * Optimized embeddings models, allowing us to reduce compute cluster size by 50%, saving more than \$20,000 per month.

Senior Machine Learning Engineer, JPMorgan Chase, New York - September 2023 - December 2023

- * Led design for the model architecture and infrastructure of a Retrieval Augmented Generation LLM to perform fact checking for financial compliance reports, decreasing human error and improving the efficiency of researchers.
- * Trained an XGBoost model to disambiguate financial compliance requirements for corporate clients being onboarded. Integrating this model with the application layer minimized the complexity and manual effort for new customers.

Machine Learning Tech Lead, Blockchain.com, London - June 2022 - January 2023

- * Led a team of developers in the implementation of a machine learning platform to automate the productionalization of predictive models, reducing data scientist experiment iteration time, increasing model stability, and paving the way for increased adoption of machine learning at the company.
- * Guided infrastructure design for the deployment of a machine learning model to improve fraud detection, resulting in a reduction of fraudulent payments significant enough to reduce reliance on third-party anti-fraud services.

Senior Data Engineer, Blockchain.com, London - January 2022 - June 2022

- * Designed and implemented a total refactor of the company data architecture, scaling up from a single Postgres instance to a Data Lake powered by BigQuery, Spark, and GCS, allowing engineers and analysts to access data previously too large to query.
- * Worked with financial analysts and accountants to build out a pricing reconciliation system, providing the company with mission-critical procedures for legal accounting.

Data & Machine Learning Engineer, Apple, Cupertino - September 2020 - December 2021

- * Built training and deployment pipelines to support query extraction models, adding stability and enhanced experimentation scope.
- * Optimized model architectures in production; reduced the latency for a BERT information retrieval model from 150ms to <50ms through model quantization and CUDA tuning.
- * Deployed and managed a custom Airflow deployment to launch Spark jobs, Hive queries, and other ELT pipelines, providing data scientists with clean, versioned datasets.

SWE II (Machine Learning), Condé Nast, New York - November 2019 – August 2020

- * Owned a machine learning platform that supported hundreds of models serving batch recommendations.
- * Responsible for orchestrating distributed model training with Apache Spark on Databricks.
- * Acted as lead developer, maintainer, and owner of a distributed data lake in Apache Parquet and Databricks Delta used by downstream users in analytics and data science teams.

Data Analyst, World Education Services, New York - January 2015 – March 2017

- * Leveraged language and data analysis skills to build reports to guide marketing decisions for advanced education programs to recruit Chinese students.
- * Provided research expertise on the state of Sino-American educational exchange.

Fellow, Teach for China, Yunnan - September 2012 - July 2014

- * Partnered with Chinese nationals to lead initiatives in rural China to improve the education and public health of villages with high migrant worker populations.
- * Liaised with local officials to implement updated ESL techniques in public elementary schools.

Education

Sarah Lawrence College, B.A., September 2008 – May 2012

- * Major: Philosophy, Minor: Chinese & Russian Languages

Wadham College, University of Oxford - September 2010 - June 2011

- * Visiting Scholar: Analytic Philosophy

Skills: Torch, HuggingFace, Langchain, DSPy, TensorRT, Triton (CUDA), ONNX, Nvidia Triton, Kafka, Beam, Kubernetes, GCP, AWS, Terraform