Theo Teske

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EDUCATION

University of California, Los Angeles   September 2020 - June 2024
- B.S., Applied Mathematics and B.S., Economics
- GPA: 3.52
- Putnam 2023: 25/120

EXPERIENCE

Reality AI / Generative AI Engineer   January 2025 - September 2025
- Build features for Marvel AI using Python and technologies such as LangChain and FastAPI to create Retrieval-Augmented Generation (RAG) workflows.
- Leverage OpenAI embeddings and Redis for Vector Search to enhance real-time semantic search and recommendations.
- Containerize AI services using Docker and deploy using Google Cloud Platform (GCP), monitor performance with Log Explorer, and refine outputs through LangSmith for prompt optimization.

Outlier AI / Software Designer - AI Trainer   June 2024 - December 2024
- Fine-tuned LLM on original, varied math and coding prompts using Python.
- Created test data to evaluate the LLM's capability to generate correct responses to coding prompts.
- Generated solutions to expand reasoning capabilities of LLM through chain-of-thought prompting.

UCLA Office of Advanced Research Computing / Young Tech Professional   March 2024 - June 2024
- Collaborated with small team to develop a chatbot-based app that utilizes user and geographical data to generate fitness opportunities relevant to the individual user.
- Created a RAG workflow using Python and Flask, deployed on AWS, to optimize suggestions for each user.
- Presented app demo and business plan to industry leaders at Innovate@UCLA conference, where it was awarded Most Commercially Viable Application.

ASUCLA Office of Financial Planning / Financial Analyst   September 2021 - March 2023
- Reconciled over 50 accounts on a month-to-month basis.
- Used Excel to sort and manipulate financial data, as well as to create accessible representations of the data.
- Received Exceptional Student Employee Award in Spring of 2022.

SKILLS

- **Computational**: C/C++, Python, JavaScript/TypeScript, GCP, AWS, Docker, Git
- **Language:** French (fluent), German (conversational)