Kristian Fischer

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EXPERIENCE

Autoplay AI
Paris, France
Full Stack/AI Engineer (Pre-Seed — $2.1m raised)
Apr. 2025 – Present

- Shipped an AI-driven session replay-analytics dashboard to production in Next.js / FastAPI / PostgresSQL, enabling five design-partner companies to spot user-hesitation hot-spots and halve feedback cycles.
- Co-designed an end-to-end AI pipeline that clusters 50 K+ session replays via K-means, converting raw rrweb into actionable user insights in minutes.
- Created a multimodal RAG engine combining application tutorials and documentation to enrich LLMs with expert context – boosting AI analysis accuracy by 40%.

WJD Fund
Jacksonville, FL
Software Engineer Intern
June 2024 – Dec. 2024

- Deployed a multi-threaded trading system in Python integrated with TradeStation's Web API, managing $1.2M in assets and executing positions up to $5M.
- Developed Futures strategies to be concurrently executed on this system - improved monthly returns by 7% and generated $250 K+ gross profit.

Black Knight, Inc.
Jacksonville, FL
Frontend Engineer Intern (Awarded Intern Champion)
May 2023 – Aug. 2023

- Contributed to *Servicing Digital* (10 M monthly users) by implementing UI improvements in Angular as part of the Agile Release Train.

EDUCATION

University of Florida
Gainesville, FL
Bachelor of Science in Computer Science, Master of Science in Finance
Aug. 2022 – May. 2026

- **Honors and Involvement**: ColorStack, Association for Computing Machinery, University Research Scholars Program, University Honors Program
- **Relevant Coursework**: Algorithm Abstraction, Data Structures + Algorithms, Linear Algebra, Operating Systems, Differential Equations

PROJECTS

FischGPT - *PyTorch, NextJS, Express.js*
- A GPT-2-class language model from first principles – wrote custom BPE tokenizer, multi-head attention, back-prop & soft-max layers and trained end-to-end with DDP on 8x A100s.
- Scaled pre-training to 45B tokens (FineWeb 10B, 4.5 epochs) and followed with 25M-token SFT (OpenAssistant1) – surpassing GPT-2's HellaSwag benchmark by over 5% and reducing validation loss by 0.3.
- Built a RAG pipeline in Express.js + ChromaDB to autogenerate "about-me" answers and shipped a web application in Next.js / ShadCN / Tailwind where users can chat live with the model (visit here).

MarketMania - *Flutter, FastAPI, PostgreSQL*
- A web application that consolidates marketing statistics from campaigns into an organized user dashboard.
- Developed middleware for handling user refresh tokens via Google and Facebook Ads APIs, automating the incremental retrieval of campaign data.
- Built a backend with FastAPI and integrated PostgreSQL, running cron jobs to periodically fetch, aggregate, and update campaign statistics.

PROGRAMMING SKILLS

- **Languages**: Python, TypeScript, C++, JavaScript, Dart, Java, SQL
- **AI Techniques & Tools**: PyTorch, Transformers, RAG, MCP, ChromaDB, Pinecone, Numpy, Pandas
- **Frameworks & Tools**: React, Next.js, FastAPI, Express.js, Flutter, GCP, ShadCN, Tanstack, Tailwind