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 $50 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