Chase Reynolds
AI Engineer & Full Stack Developer

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Results-driven AI Engineer with 2 years of experience at SpeerAI, leading intelligent automation systems and cross-functional AI initiatives. Proven experience in implementing agentic AI solutions using LangChain, OpenAI, and n8n. Driving high-impact projects with measurable outcomes, from automated reporting systems to managing award-winning hackathon solutions.

RELEVANT EXPERIENCE

AI Intern | Speer Technologies | Orlando, Florida, United States
April 2024 - Present
- Designed and implemented a scalable automation platform using n8n, TypeScript, and Supabase, integrating retrieval-augmented generation (RAG) and xAI Grok for intelligent content creation.
- Built efficient real-time data pipelines and vector-based memory systems to support semantic search capabilities.
- Enhanced user interaction through systematic A/B tests and iterative prompt engineering, resulting in improved experience and engagement.
- Contributed to the development of an AI-powered language learning platform by integrating modular features and leveraging LangChain workflows.
- Documented technical designs and collaborated flexibly with cross-disciplinary teams to align solutions with user needs.

PROJECTS

Flueo | Jun 2025 - Present
Next.js, Typescript, GPT-4, Supabase, Vercel, shadcn
- Architected a production-ready language learning platform using modern authentication flows and real-time database operations, featuring an intuitive UI design optimized for learner engagement and retention.
- Implemented an advanced AI translation system using GPT-4 for contextual translations, featuring intelligent handling of idiomatic expressions and cultural nuances across multiple language pairs.
- Developed a proprietary spaced repetition algorithm based on SM2, resulting in 40% faster vocabulary acquisition compared to traditional methods.
- Built a responsive web application using Next.js 14, TypeScript, and shadcn/ui components, achieving a 98% Lighthouse accessibility score and optimized performance metrics.
- Designed real-time analytics dashboard using Recharts to visualize learning patterns and provide personalized insights for vocabulary acquisition.

SmartCards | Oct 2024 | Shellhacks 2024
React, Javascript, GPT-4, Firebase, Flask, Python
- Led development of a 1st place winning AI application (among 40+ teams) at ShellHacks 2024, showcasing excellence in React and JavaScript implementation
- Engineered a hybrid React/Flask architecture integrating OpenAI's GPT-4, achieving 50% faster receipt processing through intelligent transaction classification
- Implemented real-time data synchronization using Firebase, enabling instant cross-device updates.
- Built a responsive React frontend with modern JavaScript practices, delivering an intuitive user experience for receipt scanning and management
- Developed a Flask backend API that seamlessly connected GPT-4 analysis with Firebase real-time database operations
- Implemented automated expense categorization and tagging system using GPT-4, achieving 95% classification accuracy
- Created an interactive dashboard using React Charts.js for real-time expense visualization and financial insights

EDUCATION

University of Central Florida | Orlando
August 2025
Bachelor's - Computational Mathematics, Minor – Computer Science

SKILLS

AI & Agentic Frameworks	Vector Database Management	Educational Technology
LangChain / LangGraph	Prompt Engineering	Next.js & TypeScript
Machine Learning (ML) & Python	Technical Presentation &	Semantic Search
Natural Language Processing (NLP)	Communication	Leadership Development
Prompt Engineering	RAG (retrieval augmented generation)	n8n & workflow management