ISAIAH ROHRER

📞 717-224-7712 ✉ isaiah.rohrer@gmail.com 🔗 isaiahrohrer.dev 💼 linkedin.com/in/isaiah-rohrer ⧉ github.com/theta205

EDUCATION

Florida State University **Aug. 2023 – Dec. 2026**

Bachelor of Science in Computer Science, 3.87 GPA

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Computer Architecture, Introduction to Artificial Intelligence, Databases, Intro to C++ Programming, Unix Tools, Ethics and Computer Science
Honors: President's List (2x), Dean's List (2x)

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, Python
Technologies/Frameworks: React, Next.js, AWS (Lambda, S3, DynamoDB, API Gateway, CloudWatch), Unix/CLI, SSH, Clerk, RAG (Retrieval-Augmented Generation), ChromaDB, FastAPI, REST APIs
Developer Tools: VS Code, Vercel, GitHub, Git

EXPERIENCE

Software Engineer **June 2025 – Aug. 2025**

Freelance *Lancaster, Pennsylvania*

- Designed and built a scalable document automation pipeline to process sales orders for a retail client
- Leveraged Azure AI Document Intelligence to extract structured data from scanned PDFs with 95%+ accuracy, utilizing AWS S3 and DynamoDB to store both raw and parsed sales orders in a scalable, distributed architecture
- Automated data integration with NetSuite using its APIs, reducing manual data entry time by up to 80%
- Constructed a customer-facing dashboard using Next.js to enable real-time monitoring and approval of digitized orders

PROJECTS

Studiz.ai | *Next.js, TypeScript, AWS, ChromaDB, Python*
- Created an AI-powered study web app using Next.js, AWS, and FastAPI to help students effectively study with AI
- Built a context-aware Retrieval-Augmented Generation (RAG) system integrating file-to-text parsing, chat history, and user queries to generate grounded responses, increasing context utilization by 50% within token window limits
- Leveraged AWS services (S3, DynamoDB, Lambda, API Gateway) and Vercel Edge Functions to implement scalable serverless functions with efficient data handling and API routing, while integrating Clerk for authentication
- Monitored application performance with AWS CloudWatch and deployed continuously via Vercel at www.studiz.ai

MyRide.show | *React, JavaScript* | ⧉
- Built an interactive car modification showcase app using React for car enthusiasts using a link-in-bio like profile design
- Engineered a serverless backend with Cloudflare Workers at the edge to handle dynamic profile fetching and editing, leveraging Cloudflare KV for low-latency and distributed storage, achieving 30% faster page loads
- Set up CI/CD pipelines using Cloudflare Wrangler CLI to automate deployment, reducing deploy time by 50%

Aggregate Metric ELO Ranking System for League of Legends Esports | *JavaScript* | ⧉
- Devised a custom ELO ranking algorithm that parsed and analyzed 2TB+ of JSON match data across 600+ teams, which improved tournament prediction accuracy by 20%

Wilson's Algorithm Visualizer | *C++* | ⧉
- Composed a C++ terminal application that implements and visualizes Wilson's Algorithm for generating perfect mazes

Storm Mode - NextEra Energy Hackathon 2nd Place Winner
- Won 2nd place at the NextEra Hackathon by designing a predictive analytics module for Florida Power & Light's app

LEADERSHIP

Association of Computer Machinery **Oct. 2024 – Present**

Weekly LeetCode Workshop Coordinator *Tallahassee, Florida*

- Revived and led ACM's weekly LeetCode workshops focused on algorithmic thinking and coding interview preparation
- Delivered more than 20 weekly presentations on key LeetCode topics, emphasizing brute-force vs. optimized solutions
- Mentored over 25 participants on effective strategies, including data structure selection and algorithm design