Maximillan Kodi

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EDUCATION

Southern Connecticut State University   **New Haven, CT**
Bachelor of Science / Computer Science   *Graduation Date: May 2024*

WORK EXPERIENCE

Software Engineering Fellow   **NYC, NY**
HeadStarter AI   *Jul 2024 - Present*

- Delivered 5 AI projects in 5 weeks, utilizing React JS, Next.js, Firebase, Supabase, Pinecone, OpenAI, and Vercel, following agile methodologies with weekly sprints and integrating CI/CD practices to ensure rapid, iterative deployment.
- Enhanced customer support by leading a team of 4 to develop an agent using Next.js and a custom RetrievalAugmented Generation (RAG) pipeline powered by OpenAI and Pinecone, increasing response accuracy by 25%. Developed a "Rate My Professor" tool using
- LangChain and OpenAI GPT-4, improving user satisfaction by providing accurate professor reviews and tailored class recommendations.
- Scaled web application to 200+ users, iterated on user feedback to implement optimizations that resulted in improvements.
- Collaborated with industry leaders in weekly sessions, gaining insights from engineers at Google, Y Combinator, Stanford, Amazon, and venture-backed startups to enhance project design and deployment strategies.

Software Engineering Intern   **New Haven, CT**
Accounting Systems Integration   *May 2023 - Jul 2023*

- Improved user experience and performance by developing and maintaining a front-end application using React and TypeScript, leading to a 20% faster load time and improved user feedback.
- Increased efficiency by building and optimizing back-end services using Node.js with Express.js, reducing server response time by 30% and enhancing application reliability for 1000+ users.
- Enabled seamless communication between systems by integrating multiple APIs, improving data flow accuracy and decreasing synchronization errors by 15%.
- Contributed to the project's success by upholding high standards of code quality through automated testing and code reviews, reducing bugs by 25% and minimizing deployment time.

PROJECTS

AI Rate My Professor | *(`~20hrs)*   *August 2024*

- Demo RAG application that utilizes AI to help students find professors more efficiently.
- Collaborated with a team of 3 alongside an AI engineer to create AI Rate My Professor having 100 unique visitors.

AI Chat Support | *(~20hrs)*   *August 2024*

- Created AI-powered customer support assistance for a car dealership.
- The assistant helps users explore vehicle options, financing, and after sales services.

SKILLS

Javascript, NextJs, OpenAI, Python, React, NodeJs, Express, Docker, Git, MongoDB, Pinecone, Supabase, CSS, Html, Angular, Vercel, Langchain, Jquery, DNS