Evan Naderi

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EDUCATION

University of Central Florida   Orlando, FL
Bachelor of Science in Computer Science - GPA: 4.00/4.00   *Aug. 2021 – May 2025*
- Relevant Coursework: Data Structures and Algorithms 1 & 2, Algorithms for Machine Learning, Object-Oriented Programming, Systems Software, Linear Algebra, Calculus II
- Honors: President's Honor Roll (x5), James K. Beck Award for Academic Excellence, Danny Craig Award for Academic Excellence, UCF Scholars Award

EXPERIENCE

Software Development/AI Intern   May 2023 – Present
S.M.A.R.T. Lab, University of Central Florida   *Orlando, FL*
- Engaged in an Honors Thesis that focuses on fine-tuning large language models (LLMs) to analyze student short answer responses, exploring their potential to predict performance within an AI educational platform.
- Utilized **Angular**, **Nest.js**, and **D3.js** to develop Metadash, an intuitive multimodal data visualization app.
- Independently developed a proof-of-concept prototype dashboard for Metadash using **Dash**, **Plotly**, and **Flask**.
- Automated data processing by creating **Python** scripts with **Pandas**, conserving ~15 hours of manual work.

PROJECTS

LinguaFluent AI | *React, Node.js, Next.js, MaterialUI, Vercel, OpenAI API, Google Cloud Platform*   2024
- Independently developed a language learning chatbot app that integrates **OpenAI** and **GCP**'s large language models (LLMs) and employs prompt engineering to deliver role-plays, clickable explanations, and instant feedback.
- Implemented a spaced repetition algorithm that smartly integrates vocabulary into dialogue to enhance retention.
- Utilized **OpenAI Whisper** and **OpenAI TTS API** to create a natural vocal conversation experience.
- Engineered an intuitive frontend with **Next.js** and **React**; deployed app with **Vercel** for university students.

Employee Scheduling App | *React, MongoDB, Node.js, Express, Flutter, Nginx, Bootstrap, DigitalOcean*   2023
- Collaborated within an **Agile** framework to develop an end-to-end employee scheduling web application that enables managers to dynamically schedule shifts and send real-time updates to employees.
- Utilized **MongoDB**, **Express**, and **Node.js** to build a robust backend infrastructure and REST API, facilitating account creation, email verification, and scheduling management; conducted thorough unit testing with **Jest**.
- Engineered the frontend using **React**, focusing on creating a user-friendly interface that seamlessly integrates with the backend systems, and utilized **Flutter** and **Dart** for mobile development of a complimentary application.

LegAI Virtual Legal Assistant | *OpenAI API, LangChain, Python, React, Google Cloud, PostgreSQL*   2023
- Secured 2nd place in the Morgan & Morgan - LegalTech Innovation Challenge by developing *LegAI*, a cutting-edge AI assistant that extracts key points from legal documents and generates concise summeries.
- Integrated **OpenAI API** and **LangChain** with the **Chroma** vector database for efficient text embedding, enabling rapid, similarity-based QA within a retrieval augmented generation (RAG) framework.
- Leveraged **Google Cloud**'s DocumentAI and Vision AI for precise document and image OCR processing, complemented by a robust **Python** backend and a responsive and aesthetic **React** frontend with **Chakra UI**.

Sentiment Analysis Classifier | *HuggingFace, PyTorch, Sklearn, Pandas, Python, AWS, Flask, Axios*   2023
- Fine-tuned 3 BERT-based large language models on ~16,000-tweets for 6-way sentiment analysis using **PyTorch**.
- Achieved a high 93% accuracy, and deployed models on **Hugging Face** for serverless accessibility.
- Developed a frontend for users to compare model performance using **React** and **Axios**, deploying on **Vercel**.
- Trained a lightweight **Sklearn** logistic regression model on embeddings, deploying with **Heroku** and **AWS S3**.

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C/C++, HTML, CSS, MySQL, SQL, R, Go, Swift
Frameworks: React, Angular, Node.js, Next.js, Flask, Express.js, MongoDB, Mongoose, NoSQL, Unity, React Native
Libraries: PyTorch, Pandas, Hugging Face, TensorFlow, NumPy, MaterialUI, Chakra UI, Bootstrap, Jest, Chai
Developer Tools: Git, Docker, Linux, Unix, Flutter, RStudio, Visual Studio Code, JetBrains, PyCharm, Eclipse, Jira
Cloud Computing Platforms: Google Cloud Platform (GCP), Microsoft Azure, AWS
Interpersonal Skills: Communication, Cross-Functional Teams, Leadership, Project Coordination, Problem-Solving
Languages: English (native), Mandarin Chinese (fluent)