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*
- 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 hands-on work.
- Engaged in an Honors Thesis on the application and optimization of machine learning algorithms for data modelling of students within an AI tutoring system, employing data science, statistics, and NLP methodologies.

PROJECTS

LinguaFluent AI | *React, Node.js, Next.js, MaterialUI, Vercel, OpenAI API, Google Cloud Platform*   2024
- Independently developed a language learning chatbot that combines large language models on **OpenAI** and **GCP** to simulate multilingual role-plays, featuring custom tutoring agents, 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 | *Hugging Face, PyTorch, Sklearn, Pandas, Python, AWS, Flask, Joblib*   2023
- Implemented a sentiment analysis (NLP) model that efficiently classifies tweets through Logistic Regression.
- Employed **DistilBERT** for feature extraction from ~16,000 tweets, extracting hidden states as contextual features.
- Tripled the baseline performance, increasing the model's accuracy to 63% compared to the 20% baseline.
- Uploaded model to **AWS S3** and employed **Flask** and **Heroku** for API deployment, ensuring accessibility.

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)