Adrian Cosentino

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TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript, HTML/CSS, PHP, TypeScript
Frameworks / Libaries: React, TensorFlow, Next.js, Angular, .NET, Express.js, TailwindCSS, Jest, LlamaIndex, Flask
Other Technologies: Git, MongoDB, Firebase, MySQL, PostgreSQL, Supabase, Docker, Google Cloud, Vercel

EDUCATION

University of Central Florida   Orlando, FL
B.S. In Computer Science   08/22 - 08/25
- Dean's List Recipient : 2022, 2023, 2024, 2025
- Coursework : Data Structures and Algorithms, Computer Architecture, Database Systems, Security in Computing, Operating Systems, Competitive Programming, Software Development, Linear Algebra, Machine Learning

PROJECTS

Tracktion | *tracktion-jade.vercel.app*   08/24 - 12/24
- Lead developer on **MERN stack project**, a user-friendly habit tracking application with a mobile and web app
- Engineered a robust backend using **Node.js and Express**, with **MongoDB** for secure and scalable habit data
- Implemented secure user authentication and authorization using **JWT**, ensuring data privacy
- Conducted thorough unit testing and integration testing with **Jest** to maintain code quality and reliability

Personal Portfolio | *adriancosentino.com*   10/24 - 1/25
- Designed a visually appealing and modern portfolio using **React and Tailwind CSS**, to showcase my projects and background in **web, game and software development**
- Leveraged **React hooks** and **Node.js API** for managing state, side-effects, and lifecycle events to keep the application logic clean and functional, as well as handling the contact form

UCF C3 Website | *cs.ucf.edu/CyberCompetitionTeam*   09/24 - 12/24
- **Quality Assurance** head during the development of C3's official UCF website
- Designed and executed comprehensive **manual and automated test plans**, identifying and documenting over **12 bugs and performance issues**
- Conducted **cross-browser and mobile testing** on **Chrome, Firefox, Safari, and Edge** to ensure consistency and compatibility across multiple platforms and devices

EXPERIENCE

Software Engineer Intern   Lake Mary, FL
Vesta TeleRadiology   04/25 - Present
- Spearheaded development of new company full-stack application using **Flask, Supabase, and Python**, enabling real-time data access, visualization, and editing. Enhanced workflow productivity by **24%**, prioritizing **UI/UX**
- Led the refactoring of Google Sheets workflows into a centralized **Google Cloud SQL database**
- Developed and hosted **Python** scripts to automate repetitive tasks, including report parsing, metrics aggregation, and data validation, enhancing operational efficiency by **33%**
- Head of **LlamaIndex** integration to optimize fast and efficient querying of the centralized database, with results delivered to the front-end via the **OpenAI API**

Machine Learning Developer / Data Engineer   Orlando, FL
UCF Collaboration with The National Security Agency (NSA)   01/25 - Present
- Developing an **AI-model API** for foreign language DLPT identification on the official ILR scale, leveraging **Python, Flask, TensorFlow** and **deep learning models** to process and classify text inputs
- Integrated **PostgreSQL** for efficient data storage, managing text inputs, model predictions, and logging API usage for analysis and optimization
- Containerizing and deploying the API using **Docker and cloud infrastructure**, implementing **rate limiting, HTTPS enforcement, and CORS restrictions** to ensure security and scalability