

# Adrian Cosentino

407-587-6045 | acozy03@gmail.com | LinkedIn | GitHub

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, C++, SQL, JavaScript, HTML/CSS, PHP, JavaScript, TypeScript  
**Frameworks / Libraries:** React, TensorFlow, Pytorch, Node.js, Angular, .NET, Express.js, TailwindCSS, Jest  
**Other Technologies:** Git, Microsoft 365, MongoDB, Firebase, MySQL, PostgreSQL, Docker

## EDUCATION

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**University of Central Florida** Orlando, FL  
B.S. In Computer Science : GPA 3.5 08/22 - 08/25

- Dean's List Recipient : 2022, 2023, 2024
- Coursework : Data Structures and Algorithms, Computer Architecture, Database Systems, Security in Computing, Operating Systems, Competitive Programming, Full-Stack Software Development, Linear Algebra

## PROJECTS

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**Tracktion** | *habittracktion.xyz* 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**, implementing a clean, minimalist design with customizable utility classes for precise styling and fast 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 testing** on Chrome, Firefox, Safari, and Edge to ensure consistency and compatibility across multiple platforms

## EXPERIENCE

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**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

**Coding and Robotics Instructor** Orlando, FL  
VR Orlando Rentals 08/24 - 11/24

- Led and managed classrooms of student STEM prospects
- Instructing students on the fundamentals of programming using Scratch and Lego Spike Robotics
- Guided students in competitive robotics challenges, fostering teamwork, innovation, and engineering problem-solving

**Coding and Robotics Instructor / Tutor** Winter Park, FL  
Lavner Education 05/24 - 08/24

- Held one-on-one STEM lessons with students on essential concepts of programming and basic AI and Machine Learning concepts
- Led practical Robotics and Coding lessons using mBots and LUA in Roblox
- Evaluated student progress through assessments, coding challenges, and real-world applications