

Adrian Osorio Blanchard

Orlando, FL | (954) 681-8097 | LinkedIn.com/in/AdrianOsorioB | ad919169@ucf.edu

EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

GPA: 3.41

Orlando, FL

Expected: Fall 2026

WORK EXPERIENCE

U.N.A.R.Y Lab

Undergraduate Research Assistant

Orlando, FL

August 2024 - Present

- Developing a unary brain-computer interface using PyTorch and Python in a team of 8, guided by a PhD professor with multiple potential research publications.
- Designing a processing pipeline that links a custom LLM with LangChain to classify EEG signals.
- Evaluating different algorithms to denoise EEG signals, such as FFT, PCA and wavelet transform.
- Conducting and writing unit tests on different LLMs to verify classification of EEG's.

PROJECTS

Personal Portfolio | Full-stack web application

Fall 2024

- Building a responsive UI to display 3D models and data using React, Vite, Tailwind, and Three.js.
- Designing custom 3D models on Blender, incorporating animation and interactive user elements.
- Integrating third-party email and contact services to allow user interaction directly from the website.

Kanto Pokédex | Full-stack web application

Spring 2024

- Developed RESTful APIs with Spring Boot, Maven, and Java; wrote unit and integration tests.
- Modeled Pokémon data using object-oriented principles and managed data storage with MongoDB.
- Implemented an interactive front-end using React, Bootstrap, and CSS, resulting in a user-friendly UI.

Athena AI | Machine Learning / AI

Fall 2023

- Developed a Python GPT-4 project to give legal advisory for KnightHacks hackathon in a team of 3.
- Applied Google Speech-to-Text API to allow real-time verbal communication with the GPT model.
- Presented Athena AI to Morgan & Morgan, showcasing a live demonstration of the project.

EXTRACURRICULARS

KnightHacks At UCF | Operations team

August 2023 - Present

- Organizing club meetings for over 1,000 members with interactive workshops.
- Promoting the club during tabling events to help recruit new members by engaging with students.
- Assisting with photography during events and workshops to document member's work.

SKILLS

Languages: Java, C, JavaScript, HTML, CSS, Python, C++

Frameworks: Spring Boot, React, Bootstrap, PyTorch, NodeJS, TensorFlow

Relevant coursework: Computer Science I, Computer Science II, Object Oriented Programming, Mobile Development, Topics in Cybersecurity, Intro to Discrete Structures

LLMS | AI: Llama 3.1, Llama 2, GPT-4, GPT-3.5 Turbo, LangChain

Databases: MongoDB

Tools: Anaconda, Git, Android Studio, Blender, VS Code