# Adrian Cosentino

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## Education

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

## Experience

**Software Engineering Intern** Lake Mary, FL
Vesta Teleradiology 04/25 – 08/25

- Engineered Python scripts for parsing radiology reports, real-time metrics aggregation, and data validation, improving workflow efficiency by 22% across 30+ users.
- Migrated legacy data pipelines to a Google Cloud SQL instance and deployed RESTful APIs, reducing data retrieval latency by 45%.
- Developed a chatbot system using LlamaIndex and OpenAI to enable semantic natural language querying for internal data, with an average of 200 queries daily.

## Projects

**RadMapping+ | github.com/acozy03/radmappingplus** 04/25 – 06/25

- Designed a centralized radiologist scheduling and management platform to streamline operations and automate doctor RVU calculations.
- Orchestrated Google OAuth with role-based access control and ensured HIPAA compliance through field-level SHA-256 hashing and audit logging. Currently supports 2 providers.

**ILR Classifier using Machine Learning | github.com/acozy03/ilr-predictor** 01/25 – 07/25

- Architected a full-stack ILR prediction system to assess language proficiency, with user history, export options, and authentication. Supports 4 languages natively and 100+ via translation.
- Utilized XLM-Roberta (HuggingFace) and M2M100 for translation fallback, achieving up to 95% accuracy within one ILR level on translated text.

**Personal Portfolio | adriancosentino.com** 10/24 – 01/25

- Constructed a portfolio website using React, & Next.js to showcase web, game, and machine learning projects.
- Managed React hooks and a Node.js API for state management, side effects, and contact form handling.

**UCF C3 Website | cs.ucf.edu/CyberCompetitionTeam** 09/24 – 12/24

- Led quality assurance for UCF C3's official website built with React and TypeScript.
- Created and executed manual and automated test plans using Jest, documenting over 21 bugs, performance issues, and UX improvements.

## Achievements

**Dean's List – UCF College of Engineering and Computer Science** 08/22 – 08/25

**NSA and DLIFLC Recognition** 08/25

- ILR classifier and deep learning models are currently used to automate the creation of DLPT exams for the U.S. government.

## Key Technologies

**Languages:** Java, Python, C, C++, C#, SQL, JavaScript, TypeScript, HTML/CSS

**Frameworks / Libraries:** React, Next.js, Flask, TensorFlow, PyTorch, scikit-learn, LlamaIndex, TailwindCSS

**Databases and ORMs:** MySQL, PostgreSQL, MongoDB, Supabase, SQLite, Prisma, Redis

**Tools and Cloud:** Git, Docker, Bash, Linux, Cuda, GCP, AWS

**Middleware:** REST APIs, GraphQL, WebSockets, JWT, OAuth2, Webpack, Nginx