

Robert Medina

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EDUCATION

University of Florida

Bachelor of Science in Computer Science, Minor in Digital Arts GPA: 3.47

Gainesville, FL

Aug. 2021 – May 2025

EXPERIENCE

Developer Intern

June 2024 – Aug. 2024

Lennar Corporation

Miami, FL

- Engineered and deployed DBT macros to reduce repetitive code, achieving a **52% reduction** from **7,243** lines to **3,424** lines for key reports, significantly improving efficiency and maintainability
- Implemented SQL queries within the medallion architecture to standardize date formats and scale numeric columns, ensuring clean and analyzable datasets
- Architected incremental logic using macros, reducing **25** lines of code per table to a single call, enhancing readability and performance
- Orchestrated end-to-end migration from JDE to modern Snowflake/DBT stack, harmonizing efforts across **3** engineering teams through knowledge transfer sessions, ensuring zero downtime and data integrity

Technical Stack: DBT, Snowflake, Github, Python, SQL, ReportsNow, JDE

PROJECTS

Smart-Study | *Python, OpenAI API, MoviePy, PyMuPDF, TTS*

Oct. 2024

- Engineered an automated learning platform that transforms lectures through a modular export system that supports multiple study formats
- Leveraged OpenAI's GPT API to generate concise summaries with custom memorization techniques from complex lecture content
- Developed a streamlined pipeline converting lectures into short-form educational videos

SalsaStep | *Android SDK, SQLite, Java*

Oct. 2024

- Developed a native Android application that helps salsa dancers track practice sessions using step counter sensors and gamification elements
- Utilized an accelerometer API for a real-time step tracking system and SQLite database for daily dance statistics tracking
- Designed a comprehensive dance move library with difficulty categorization, personal rating system, and progress tracking
- Implemented a calendar view for historical practice data visualization

CASMM | *React, Strapi, Docker, HTML/CSS*

Dec. 2023

- Refined the CASMM codebase while working in a team that utilized Scrum and Agile management practices
- Utilized React, Strapi API, and the YouTube API to create an interactive display for video content
- Enhanced my team's productivity by delegating partners for certain user stories

SKILLS

Programming Languages: C++, Java, JavaScript, HTML/CSS, Python, SQL

Frameworks/Libraries/Database Management: React, JUnit, PostgreSQL, DBT, ReportsNow

Relevant Coursework: Intro to Software Engineering, Info & Database Systems, Data Struct & Algos

Misc: Fluent in Spanish, AutoCAD certified

INVOLVEMENT

UF Gator Salsa Club: Outreach Officer, **Society of Hispanic Professional Engineers:** Member