

Danny Lawrence

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EDUCATION

Florida International University

Miami, FL

Bachelor in Computer Science | GPA: 3.4

Dec 2025

Courses: Data Structures, ML, Computer Architecture, Database Management, Operating Systems, Discrete Math

Extracurricular Courses: CodePath E3 Scholar - Technical Interview Prep & Data Structures

TECHNICAL SKILLS

Language: Python, Java, C#, C++, JavaScript, TypeScript, Assembly, SQL, PHP, HTML, CSS

Tools: APIs, Azure, AWS, LLama, LangChain, Pandas, NumPy, TensorFlow, MATLAB, Matplotlib, Chart.js, PostgreSQL, MySQL, Supabase, Sheets, Excel, VSCode, Jupyter, Linux, GitHub, Next.js, Flask, Docker, Selenium

EXPERIENCE

GlaxoSmithKline (GSK) | Solutions Architect Intern

Jan 2023 - April 2023

- Analyzed medical data sets, reducing socioeconomic barriers by 15% in underrepresented communities.
- Developed Agile strategies to help decision-making, increasing vaccination rates in marginalized areas.
- Designed data visualization dashboards, allowing stakeholders to optimize trends and resource allocation.

Iglesia Ni Cristo | Technical Engineer

Sept 2023 - Dec 2024

- Developed **Python** programs to sync timestamps with media files, improving workflow efficiency by 30%.
- Deployed a cloud-based automated logging system to streamline attendance tracking and data management.
- Collaborated with IT in troubleshooting systems with test scripts to ensure efficient technical operations.

PPCHS | Web Development Teacher Assistant

Aug 2021- May 2022

- Instructed **HTML, CSS, JavaScript, and SQL** to students providing hands-on development guidance.
- Introduced students to **Git, MySQL, and Dreamweaver**, enhancing their practical coding knowledge.
- Provided mentorship to enhance students programming and communication skills, through projects.

PROJECTS

LiftTrack (FIU Powerlifting) - Powerlifting Data Analysis & Visualization

- Built a regression powered dashboard, boosting training insight by 50% through real-time data analysis.
- Developed an overtraining detection system, reducing injury risk by 80% with automated warnings.
- Integrated Google Sheets **API** with a **Next.js & Tailwind** frontend for seamless performance tracking.

Appli (INIT FIU Web Dev Team) - Full-Stack Job Application Tracker

- Engineered a job tracker, helping users save 20% more time, by streamlining applications and updates.
- Designed a scalable frontend using **React, Node, MongoDB, and Express** boosting performance by 70%.
- Developed a job and resource hub, helping users discover opportunities and educational materials.

Cheffy (eMerge Americas 2024) - iOS App for Pantry Management

- Developed an AI-powered mobile development pantry tracking app reducing food waste by 40%.
- Created a database system to track shelf life, prevent food spoilage, and streamline inventory management.
- Trained **Machine Learning** to identify food items via camera to automatically be stored in our database.

CodeNected (User Experience Team Lead) - Local Networking Platform for Coders

- Led a team of 8 engineers creating a networking platform, connecting local coders fostering collaboration.
- Conducted user research and interviews to refine the UI/UX, to create intuitive and user-centered designs

Leadership/Professional Development

FIU Powerlifting President

January 2025 - Present

- Led and organized training programs, competitions, and recruitment efforts, growing the team by 24%.
- Developed athlete performance strategies, finishing 2nd in USAPL Collegiate States 2025.

Organizations: Codepath, INIT FIU, WiCS, SHPE, GDSC, Break Through Tech Miami, Code Crunch