

Steven Camacho

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WORK EXPERIENCE

Lemartec

Coconut Grove, Florida

Construction Programs & Technology Intern

May 2024 – Present

- Developed a QR code activity logging system across 500+ rooms present in architectural plans for the Miami Freedom Park project.
- Supported the integration of Cupix Software into the Project Risk Controls team's workflow, enhancing project visualization and monitoring.
- Authored process documentation for linking the construction schedule to Cupix, ensuring consistent implementation and team onboarding.

PROJECT EXPERIENCE

Upper-Limb Joint Prediction Using IMUs

Orlando, Florida

Project Manager & Machine Learning team member

January 2024 – August 2024

- Piloted the domain-adaptation PyTorch model to predict upper-limb movements, achieving a 87% success rate in movement classification using IMU data from 13 healthy participants.
- Developed data loaders and processed datasets using Pandas, NumPy, Vicon, and Opensim for efficient analysis.
- Expanded responsibility to teach data collection process to fellow research coordinators and maintain consistency.
- Orchestrated daily stand-ups and sprint planning across research, machine learning, and technical teams, resolving 15+ critical model implementation roadblocks resulting in on-time project delivery.

TrackMate - Soccer Tracker App

Cooper City, Florida

Full Stack & Machine Learning Integration

August 2024 – November 2024

- Engineered a machine-learning based tracking/editing application using YOLOv5 and OpenCV, highlighting a specified player's movements and reducing video-editing time by 58%.
- Integrated YOLOv5 (Ultralytics) and OpenCV to construct machine-learning based player tracking system, leading visual identification of desired player, notably pinpointing precise location for the player.
- Constructed scalable backend APIs using Express and Node.js, handling user authentication, implementing a suite of 14 unit tests, video processing, and data management (MySQL).
- Forged a seamless drag-and-drop file upload feature using React Dropzone, which streamlined the video processing workflow, cutting down processing time by 5 minutes per video.
- Configured a Docker Compose setup to orchestrate three containers for the app's backend, frontend, and database services, enabling efficient replication and deployment.

EDUCATION

University of Central Florida

Orlando, Florida

Bachelor of Science: Computer Science

August 2020 – September 2024

GPA: 3.7

Master of Science: Computer Science (Expected)

August 2025 – May 2027

AWARDS

Pegasus Gold Scholarship | President's List Recipient | Dean's List Recipient

SKILLS

Programming Languages/Frameworks: Java, Python, JavaScript, React, Node.js, Express

Machine Learning and Data Science: Pytorch, Numpy, Pandas, YOLOv5, OpenCV

Additional skills: Fluent in English and Spanish