

Giancarlo Nassi

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Education

Florida International University | Miami, FL

Expected Graduation: Dec 2025

- B.A. in Computer Science | A.A. General Studies
- Associations: INIT

GPA: 3.8/4.0

Experience

Lead Programming Instructor | Zero Limit LLC.

Jan 2023 – Present

- Set up computers and networking systems, delivering step-by-step instructions on basic use.
- Designed classes on Web Dev, Robotics, Game Dev, and Back-end programming for students.
- Arranged and scheduled guest lecturers to enrich classroom learning.
- Planned and implemented curriculum to teach up-to-date technology to 120+ students.
- Attended professional development technology courses to increase knowledge base and learn new skills.

Projects

PerfectWeather | Python / OpenWeatherAPI

Aug 2023 – Aug 2023

- PerfectWeather is a user-friendly application designed to provide precise and tailored weather information. Instead of overwhelming users with a barrage of data, this app empowers them to choose exactly what they want to know.
- Users can select from a range of metrics including: Temperature, "Feels Like" temperature, Humidity, Longitude and Latitude And more!
- PerfectWeather updates in real-time, ensuring that users receive the most current information available.

Hand Companion | Python / Flask / HTML, CSS / JavaScript

Sept 2023 – Sept 2023

- Hand Companion is an avant-garde AI system engineered to interpret American Sign Language (ASL) through the recognition of hand movements. It not only vocalizes the gestures and letters being signed, but also transcribes them in real-time, bridging the communication gap between the hearing and the deaf communities.
- Advanced Gesture Recognition: Uses state-of-the-art AI algorithms to identify intricate hand movements with precision.
- Audible Output: Vocalizes the corresponding word, phrase, or letter being signed for immediate verbal feedback.
- Real-Time Transcription: Converts ASL gestures into written text instantly, appearing on the user's device.
- Adaptive Learning: Continuously improves recognition accuracy by learning from user interactions.
- User-friendly Interface: Intuitive design ensures ease of use for both signers and non-signers alike.

Website Portfolio | HTML, CSS, JavaScript

Sept 2023 – Sept 2023

- Demonstration of HTML, CSS and JavaScript.
- Shown proficiency and understanding of onclick methods, smooth scrolling, implementation of Material UI logo's.

Skills

- Languages: C | C++ | C# | Python | Java | HTML | CSS | React | Next.js | JavaScript | TypeScript
- Relevant Courses: Programming II | Data Structures | Computational Writing | C/C++ Programming