



# Giancarlo Nassi

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## Professional Summary

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Passionate Computer Scientist adept at creating innovative techniques and making them robust and scalable. Delivers cutting-edge technologies by collaborating with technical research scientists and machine learning engineers. Highly skilled in explaining and presenting analyses and machine learning concepts to a broad technical audience. Translates ideas into solutions for some of the most challenging technical problems in the next generation of company products.

## Education

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### Florida International University | Miami, FL

Expected Graduation: Fall 2024

GPA: 3.45/4.0

- **Degree:** B.A of Computer Science
- **Awards:** Dean's List Spring 2023, 2024 | Pluto Hackathon UKG Sponsor Winner

## Skills

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- **Languages:** Python | Java | C | C# | HTML | CSS | JavaScript | React.js
- **Relevant Courses:** Data Structures & Algorithms | Software Engineering | Operating Systems | Programming I / II | Natural Language Processing
- **Tools and Technologies:** GitHub, Docker, Agile methodology

## Experience

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### Lead Programming Instructor | Zero Limit LLC. | FIU ASA | Miami Dade College

Jan 2023 – Present

- Developed and implemented computer and network setups, including basic usage instructions.
- Created and taught **Web Development, Robotics, Game Development**, and **Back-end** Programming courses.
- Designed and executed a curriculum for **120+ students**, incorporating the latest technological advancements.
- Continuously expanded technical knowledge through professional development courses.
- Delivered specialized Robotics courses at **Florida International University Afterschool All-Stars** and **Miami Dade College**.

## Projects

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### PerfectWeather | Python | OpenWeatherAPI

Aug 2023 – Present

- Developed a user-centric weather application providing **real-time** weather metrics, including temperature, humidity, and location data.
- Executed the integration of diverse **APIs** to optimize the **user experience**, ensuring an intuitive and **user-friendly interface**, thereby enhancing customer engagement and satisfaction.
- Implemented comprehensive **test cases** to enhance program stability, mitigating crashes arising from typographical errors, formatting discrepancies, and variations in capitalization.

### Grading System | HTML | CSS | JavaScript |

Aug 2023 – Dec 2023

- Developed a web-based Modernized Grading System for educational institutions, reducing grading time by 30% through streamlined grade management and feedback.
- Created a feature enabling students to determine the minimum grade required to achieve their target grades, leading to a 20% improvement in student goal setting and performance tracking.
- Enhanced security by reducing unauthorized login attempts by 50% through a login lockout mechanism, along with session management and robust data validation.
- Contributed to the design, testing, and debugging of the system, resulting in a 15% increase in overall system reliability and user satisfaction.

## Leadership

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### Code Culture | Executive Board Member

Fall 2023 – Present

- Served as a pivotal member of Code Culture's Executive Board, enforcing community standards, and facilitating a constructive dialogue among members.
- Contributed to the professional growth of community members through targeted workshops and resources, emphasizing career readiness in the tech industry.