

DIEGO MALDONADO

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OBJECTIVE:

Ambitious computer science student focused on security and quality assurance, eager to contribute to a team. Seeking to leverage my technical and computer science skills to support and build scalable systems while gaining valuable experience in the field

EDUCATION:

Syracuse University, College of Engineering and Computer Science

Anticipated May 2027

Bachelor's Degree, Computer Science

GPA: 3.7 / 4.0

Renee Crown University Honors Program Scholar

Relevant course work: Computing in Python, Data Structures, Discrete Mathematics

Bishop Hartley High School

May 2023

High School Diploma

GPA: 3.9 / 4.0

President of My Brother's Keeper ('22 - '23)

SKILLS:

HTML, CSS, JavaScript, Node.js, SQLite, Team Leadership, Java, Python, Documentation, Time Management, Tenacious Work Ethic, Security & Risk Management, Spanish (Fluently), Object-orientated Programming, Quality Assurance, Haskell, Unit Testing, Git, Software Version Control

PROJECTS:

Data Analysis and Linear Regression Web App

- Developed a full-stack web application using HTML, CSS, JavaScript, and Node.js to allow users to upload CSV files
- Integrated a Python script for processing data, using SQLite to store records and generate a linear regression model based on two user-specified variables
- Designed the interface for intuitive data uploads, storage, and visualization of linear regression results, improving user experience and functionality
- Demonstrated proficiency in back-end technologies (Node.js, Python) and database management systems (SQLite) to handle real-world data processing challenges

Happiness Simulation

- Developed a Python project implementing the pandas library to simulate "happiness" levels of students based on dining hall experiences
- Implemented various optimization algorithms to model different scenarios and factors affecting student satisfaction, such as food quality, wait times, and ambiance
- Guided team of four to generate simulated data reflecting diverse dining hall conditions and up to 10,000 students
- Analyzed and created visual data trends in student preferences for the rated dining hall to provide insights for optimizing real-world dining services

WORK EXPERIENCE:

Resident Advisor

Syracuse, New York

August 2024 - Present

- Engaged the Honors Living Learning Community by fostering a welcoming environment for high-achieving students
- Organize and lead community events for over 60 residents to enhance social and academic engagement
- Mentored underclassmen and ensure adherence to university housing policies

Safety and Compliance Coordinator

Columbus, Ohio

June 2022 - August 2023

- Collaborated with two architects and project managers to identify and resolve safety issues efficiently
- Ensured adherence to safety protocols, maintaining a safe work environment with minimal supervision
- Coordinated siding installations on buildings, working at significant heights to assure safety

LEADERSHIP:

Phi Iota Alpha, Fraternity Inc., Syracuse, New York

April 2024 - Present

- Vice President, Community Service Chair | Ensured the continual success of the illustrious chapter through collaboration with over 15 Greek organizations, holding meaningful events for the campus and surrounding communities, and ensuring the well-being of the brothers

National Association of Latino Fraternal Organizations, Syracuse, New York

April 2024 - Present

- Community Service Director | Organized multiple events throughout the academic year for over 10 organizations to engage with hundreds of active undergraduates and community members.

CERTIFICATIONS:

OpenEDG Python Institute: Programming with Python (Online Course, Completed 2024)