DYLAN SEBASTIAN OSTOLAZA

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EDUCATION

Florida Institute of Technology, Melbourne, FL — August 2024 - May 2027
Bachelor of Science, Major in Computer Science, Minor in Computational Mathematics

New Jersey Institute of Technology, Newark, NJ — Sept 2022 - May 2024
Bachelor of Science, Major in Computer Science

PROJECTS

Calories Burnt Predictor | Python, Jupyter — July 2025
- Built a calorie burn predictor using XGBoost Regressor, achieving a MAE of 1.48 kcal across 3,000 samples
- Cleaned and merged multiple datasets to identify trends and correlations related to calories burned
- Built and deployed an interactive Gradio web app allowing real-time calorie predictions based on user input

Olympic Athlete Data Analysis | Python, Jupyter — June 2025
- Analyzed Olympic athlete data spanning 100+ years using Pandas, NumPy, Matplotlib, Seaborn and Jupyter.
- Merged and cleaned datasets to analyze trends in athlete age, gender participation, and medal distribution.
- Visualized the correlation between Olympic athletes' height and weight using scatter plots

CRM Application | Django, Python, MySQL — February 2025
- Developed a full-stack CRM application enabling users to register, log in, and manage customer records.
- Reduced unauthorized access by 45% by implementing role-based access control and session management.

Swim Time Calculator | Java — December 2024
- Designed a Java-based calculator with customizable event distances, and strokes that computes race splits.
- Developed an interactive GUI for the calculator using Java, featuring buttons, dropdown menus, and images.

Personal Portfolio | HTML, CSS, JavaScript — December 2024
- Deployed the site using GitHub Pages via git.io, achieving load times under 100ms globally.
- Implemented custom domain configuration and optimized DNS settings for improved website accessibility.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Divisiom I Swimming — Fall 2022 - Spring 2026
- 2x CSCAA National Invitation Championship Qualifier
- 2x School Record Holder and American East Championship Finalist
- Varsity Scholarship with a commitment of 20 hours per week

The Ability Experience — Spring 2023 - Spring 2024
- Fraternity philanthropy to help make the world accessible for those who have disabilities.
- Participated in a 24-hour bike-a-thon to raise awareness and support for people with disabilities.

Artificial Intelligence Club — Spring 2025 - Spring 2027
- Collaborated with peers on AI projects involving machine learning, computer vision, and deep learning.
- Attended weekly meetings to discuss AI advancements, share project progress, and plan club initiatives.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, Java, C++

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Django

Developer Tools: Git, VS Code, Jupyter

Time Management: Able to balance training schedule with academic responsibilities

Interests: Fishing, International Cuisine, Music, Board games / Strategy games, American Currency Collecting