Cristian Distefano

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Summary

Honors Computer Science and Statistical Data Science double major with hands-on experience in developing machine learning models and full-stack AI applications. Proven ability to lead teams and deliver end-to-end data-driven solutions using Python, SQL, and modern ML frameworks.

Education

University of Connecticut — Storrs, CT
B.S. in Computer Science
B.S. in Statistical Data Science — May 2027

- GPA: 3.97/4.0 — Honors Program — 4x College of Engineering Dean's List
- Relevant Courses: Data Science and Engineering, Applied Linear Regression, Data Ethics, Statistical Methods

Technical Skills

- **Languages:** Python, SQL, R, C, C++, JavaScript
- **Frameworks/Tools:** Flask, Git, Jupyter, Tableau, VS Code
- **Data Science:** Data Wrangling, Visualization, Modeling, EDA, Feature Engineering
- **ML Algorithms:** Regression, Classification, Clustering, SVM, KNN, Decision Trees

Projects

Gym Bro Health App | Simmons University 2025 Hackathon — March 2025

- Led a team of 4 to develop a full-stack AI fitness web app using Flask, Google Gemini API, and MongoDB.
- Delivered personalized workout and nutrition plans using user feedback, sentiment, and goals.
- Engineered secure authentication, dynamic dashboards, and adaptive AI-driven health recommendations.
- Project link: github.com/toh22004/Sharkhack

SpaceX Falcon 9 Landing Prediction — January 2025

- Built and deployed ML models to predict first stage rocket landing success using real SpaceX data.
- Achieved 87.5% accuracy with Decision Tree; visualized performance using Plotly Dash and Folium.
- Used API calls and web scraping to create structured datasets and pipeline workflows.
- GitHub: github.com/cld22007/SpaceX-Falcon-9-First-Stage-Landing-Prediction

Certifications

IBM Data Science Professional Certificate — Coursera | Jan 2025

- Completed 12-course sequence in data science, Python, SQL, ML, and visualization libraries.
- Built end-to-end ML projects and visual dashboards using Scikit-Learn, Pandas, Matplotlib, Seaborn.

Experience

American Pool — Rocky Hill, CT | Summer 2023 & 2024
Lifeguard

- Maintained 100% safety record while managing over 50+ daily guests.
- Responded to emergencies with quick, effective problem-solving and maintained a 100% safety record.
- Developed leadership and crisis-response skills applicable to team-based tech roles.

Powder Ridge Resort — Middlefield, CT | Winter 2021 & 2022
Ski Instructor

- Taught 50+ students weekly; tailored instruction to a wide range of experience levels.
- Emphasized patience, communication, and safety in dynamic group environments.