

DANIEL DE LAS HERAS GARCIA

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EDUCATION

Adelphi University Garden City, NY

Master of Science (MS), Applied Mathematics and Data Science, expected 2024

Bachelor of Science (BS), Mathematics (Minor: Statistics and Data Analytics), 2023

Honors:

- Dean's List (2019 - 2023)
- NE10 Academic Honor Roll - Academic Distinction (2019 - 2023)
- Athletic Scholarship (men's soccer)

RELEVANT COURSES

Regression Analysis, Applied Machine Learning, Advanced Business Analytics, Simulations and Stochastic Processes, Database Management Systems, Statistical Consulting Practicum, Numerical Methods and Deterministic Models, Design of Experiments

SKILLS

Computers: Microsoft Office Suite (advanced)

Programming: Python (NumPy and SciPy), SQL, MATLAB, R, LaTeX (advanced), Java (intermediate)

Languages: English (Bilingual), Spanish (Native), Basic French

PROJECTS

Neutrality Data Centers – Freelance Customer Billing Forecasting August - December 2023

- Forecast companies for revenue maximization using machine learning algorithms.
- Developed a machine learning model using a dataset of current companies, leveraging five classification algorithms: Logistic Regression, K-nearest neighbors, Random Forest, Gradient Boost, and LBGM.
- Collaborated with a five-person team to deliver customer requirements, including presentations and model updates.

HIATUS APP - Statistical Consultant January - May 2023

- Developed a Marketing Mix Model (MMM) using data analytics to optimize budget allocation for media channels.
- Implemented Lasso and Ridge Regression algorithms to build a predictive model and deliver insight for strategic decision-making.
- Utilized Python programming for data preprocessing, model deployment, and creating a scalable solution.
- Collaborated with the team to deliver presentations to stakeholders and ensure alignment with business goals.

EXPERIENCE

Adelphi University Garden City, NY

Resident Assistant August 2023 - present

- Organize programs for residents that promote inclusivity and ways of coping with stress (by utilizing an online feedback form, 90% noted a substantial improvement in their overall student experience).
- Documented 23 disciplinary issues or policy violations throughout the academic year that required communication with the police and the resident director to ensure a safe residential environment.

Tutor - Statistics August 2020 - May 2023

- Selected based on performance in statistics to foster students' understanding through one-on-one mentoring.

Fellowship - Department of Mathematics and Computer Science August 2020 - May 2021

- Developed winning strategy algorithms in Graph and Game Theory in a 3-person team.
- Presented results at Mathematical Association of America Metro NY conference and Adelphi's Annual Conference (2021).

INTERCOLLEGIATE ATHLETICS

Adelphi University Garden City, NY

Member - Division II Men's Soccer Team August 2019 - Present

- Participated in two National Collegiate Athletic Association (NCAA) soccer tournaments.
- Devote an average of 25 hours per week to training, conditioning, practices, meetings, travel, and games.