DANIEL DE LAS HERAS

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EDUCATION

Adelphi University   **New York, USA | August 2023– May 2024**
MSc Applied Mathematics and Data Science
Relevant modules: *Regression Analysis, Applied Machine Learning, Advance Business Analytics, Simulations and Stochastic Processes, Database Management Systems, Statistical Consulting Practicum, Numerical Methods and Deterministic Models*

Adelphi University   **New York, USA | August 2020 – May 2023**
BSc Mathematics, minor in Statistics and Data Analytics, GPA: 3.7/4
Dean's List for Academic Excellence (2019, 2020, 2021, 2022, 2023), Men's Soccer Scholarship, NE10 Academic Honor Roll - Academic Distinction (2019, 2020, 2021, 2022, 2023), NE10 Academic Honor Roll - Academic Honors (2022)

DATA SCIENCE PROJECTS

Netrality Data Centers – Adelphi University   **New York, USA | August 2023 – December 2023**
Customer Billing Forecasting
- Forecasted companies for revenue maximization using machine learning techniques.
- Developed, trained, and evaluated 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 ensure timely delivery of customer requirements, including weekly deadlines, presentations, and model updates.

Hiatus App – Adelphi University   **New York, USA | January 2023 – May 2023**
Statistical Consultor
- Developed a Marketing Mix Model (MMM) using data analytics techniques to optimize budget allocation for media channels.
- Implemented Lasso and Ridge Regression algorithms to build a predictive model and deliver actionable insights for strategic decision-making.
- Utilized Python programming for data preprocessing, model deployment, creating a scalable and efficient solution.
- Collaborated with the team to ensure alignment with business goals, meet deadlines, and deliver presentations to stakeholders.

Adelphi University   **New York, USA | August 2020 – May 2021**
Fellowship - Department of Mathematics and Computer Science
- Research and developed winning strategy algorithms in Graph and Game Theory in a 3-person team.
- Presented team results at the Mathematical Association of America Metro New York conference (May 1st, 2021) and Adelphi's Annual Conference (May 10th, 2021).

PROFESSIONAL EXPERIENCE

Adelphi University   **New York, USA | August 2023 – May 2024**
Resident Assistant
- Organized 12 programs for residents that promoted inclusivity and ways of coping with stress, and by utilizing an online feedback form, 90% of them noted that they have seen substantial improvement in their overall student experience.
- Confronted and documented 23 disciplinary issues or policy violations throughout the academic year, that required close communication with the Police and the Resident Director to ensure a safe residential environment.

Adelphi University   **New York, USA | August 2020 – May 2023**
Statistic Tutor
- Supported students with classes from the Mathematics and Statistics department.
- Conducted one-on-one tutoring 4 hours a week and reported any students of concern to supervisor.

ADDITIONAL SKILLS

Technical Skills
Python (NumPy, Pandas, Scikit-learn, TensorFlow), SQL, MATLAB, R, LaTeX (advanced), Java (intermediate)**,** Microsoft Office Suite (advanced)

Languages
Spanish (native), English (fluent)

INTERCOLLEGIATE ATHLETICS
Adelphi University   **New York, USA | August 2019 – May 2024**
- Received athletic scholarship to Adelphi University
- Participant 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.