Alix Morales

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EDUCATION & HONORS

Emory University, Atlanta, GA   Expected Graduation: May 2026
Bachelor of Science in Applied Mathematics and Statistics
Associate of Arts in Arts and Sciences   2022 - 2024
Cumulative GPA: 3.94/4.00
Relevant Courses: Statistical Inference, Principles of Microeconomics, Statistical Computing I, Statistical Methods, Advanced Calculus, Differential Equations, Foundations of Mathematics, Numerical Analysis, General Physics: Mechanics, & Electricity, Magnetism, & Optics, Introduction to Computer Science I, Linear Algebra
Honors: QuestBridge Scholar, Dean's List Fall 2022 & Spring 2024 (Oxford College), Hispanic Scholarship Fund Scholar, HSF 2024 Stem Summit Scholar

SKILLS & INTERESTS

Digital Fluency: Proficient in Microsoft Suite, R, Python, MATLAB, SQL, Linux, and Java; emerging in PyTorch and sckikit-learn
Language Fluency: English (Native), Spanish (Native), and Portuguese (Beginner)

WORK EXPERIENCE

Emory University   Atlanta, GA
Machine Learning Research Assistant   July 2024 - August 2024
- Competed in an open-source brain segmentation challenge for MICCAI 2024 in efforts to better identify neurodegenerative diseases
- Used Emory's cluster computing to build neural networks for brain segmentation with PyTorch
- Co-developed brain segmentation methods for publication in a new open-source repository

Emory University   Atlanta, GA
Data Science Research Assistant   September 2023 - December 2023
- Collected and cleaned five seasons' worth of NFL play-by-play data in R
- Used R code to analyze injuries, injury rates, and injury rates by play type over the course of a game
- Presented in an FTN Fantasy post that injury rates climb throughout games regardless of factors

Flock Specialty Finance   Atlanta, GA
Data Science Intern   May 2023 - June 2023
- Processed and modeled over one million data entries using web scraping in Python, R, and Excel
- Updated code for client spreadsheets in Python and SQL to permit the expansion of data collection
- Presented a valuation matrix that is still in use to the company board and preserved code in GitHub

Mathnasium   Holly Springs, GA
Mathematics Instructor   August 2021 - January 2022
- Tutored grade school students (K-12) in mathematics, both in person and virtually
- Managed student learning plans and development in Excel
- Collaborated with the director to develop new programs for managing student progress through Excel

LEADERSHIP & COMMUNITY INVOLVEMENT

Baseball Instructor/Coach   Canton, GA
Baseball Coach   August 2018 - Present
- Provide instruction and training to young athletes and provide mentoring outside of sports
- Establish fundamental skills that enforce a growth mindset on and off the field
- Coach teams within all ages and levels, assisting in fostering resilience and strength

Rockefeller 1   Remote
Co-Founder   July 2024 - Present
- Established an online space for family and friends to discuss trading by scheduling discussions
- Educate individuals through training them with examples in programs like Ucharts and a $2,000 fund
- Build confidence in investing with the intent of creating financial security and abundance