

Alix Morales

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EDUCATION

Emory University

Bachelor of Science in Applied Mathematics and Statistics

Atlanta, GA

May 2026

Cumulative GPA: 3.93/4.00

Relevant Courses: Differential Equations, Numerical Analysis, Mathematics for Data Science, Data Science Computing, Data Science with Text, Regression Analysis, Linear Optimization

Honors: QuestBridge Scholar, Dean's List Fall 2022 & Spring 2024 (Oxford College), Hispanic Scholarship Fund Scholar, HSF 2024

Stem Summit Scholar

SKILLS & INTERESTS

Programming Languages: R, Python, SQL, Java, and Shell Script

Technological Tools: Microsoft Suite, Google Suite, git, GitHub, Docker, Amazon AWS, Dask, Ollama

Libraries: PyTorch, Numpy, Pandas, ggplot2, Matplotlib, SQLAlchemy, scikit-learn, stringr

Languages: English (Native), Spanish (Native), and Portuguese (Intermediate)

WORK EXPERIENCE

The Carter Center, Democracy Program

Atlanta, GA

Digital Threats to Democracy Intern

May 2025 - Present

- Coded 6,300 social media posts pertaining to the Philippines midterm elections as a team for publication with ANFREL
- Ran statistical tests and created visualizations mapping democratic versus undemocratic speech alongside 24 policy themes
- Engineered and assessed the effectiveness of LLM legal-text coding on national constitutions and later boosted inter-coder reliability from 0.71 to 0.89 by incorporating Institutional Grammar

Emory University

Atlanta, GA

Undergraduate Teaching Assistant

Jan 2025 - Present

- Handle technical issues and hold office hours for students in Data Science Computing (QTM 350) and Computing II (QTM 531)
- Coordinate coursework and quizzes with the professor to ensure that all 50 students stay on track to succeed and learn
- Assist in teaching technical libraries and packages such as Docker, AWS, and Dask, among other tools to students

Machine Learning Research Assistant

Jul 2024 - Aug 2024

- Collaborated in an open-source brain segmentation competition for MICCAI 2024, aiming to enhance the identification of neurodegenerative diseases by analyzing 400 images sourced globally
- Employed 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

Flock Specialty Finance

Atlanta, GA

Data Science Intern

May 2023 - Jun 2023

- Processed and modeled over 1,000,000 data entries leveraging 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 with 83% accuracy to the company board and preserved code in GitHub

LEADERSHIP & COMMUNITY INVOLVEMENT

Taylor Made Foundation, Instructor

Jun 2025 - Present

- Instruct a summer-long course in app development for preteen and teen students through Taylor Made University

Emory Black and Latin in STEM Club, Public Relations and Outreach Chair

Mar 2025 - Present

- Incoming PR Chair, intending to coordinate events in collaboration with 3+ major universities in the Atlanta area

Latin American Association, Volunteer

Mar 2025 - Present

- Volunteer at the Latin American Association Atlanta Center; assist in food drives, job fairs, and other programs/events

Baseball Instructor/Coach, Baseball Coach

Aug 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