Nicholas Matias

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EDUCATION

Texas A&M University, College Station, TX   May 2026
Bachelor of Science in Computer Science; **Minor** in Mathematics; **GPA:** 3.725

SKILLS

Proficient: Java, C++, Python, and Microsoft Office
Familiar with: JavaScript, HTML, CSS, Git, GitHub, TensorFlow, PyTorch, Keras, Pandas, Numpy, OS, NLP

EXPERIENCE

Incoming Software Engineering Intern (Meta University), Meta   June 2024 – August 2024
IT Intern for Lavner Education, Rice University   June 2023 – August 2023
- Led a team of high schoolers through the development of 7 plus full stack projects including websites, applications, and various games.
- Taught HTML, CSS, Python, C++, Java, and JavaScript throughout development.

PROJECTS

Apply AI, AI Predicts Economic Trends, TensorFlow, Keras, Python, Pandas, Matplotlib and Numpy
- Created a model capable of effectively forecasting and comparing the performance of economic sectors between countries using their stock indexes while also identifying the key driving features of economic growth.
- Model uses Keras' sequential model with an LSTM layer and 3 dense layers to analyze the time series data.
- Achieved model with a mean absolute error of 3.4754% that is capable of accurately forecasting closing prices.

Discover AI, AI for Resume Enhancement, Python and Pandas
- Created a model capable of scanning a resume and matching it to prospective job titles of quality fit.
- Used supervised machine learning to train our resume reviewing model.
- Used tokenization, term frequency, inverse document frequency, and TF-IDF multiplication in model.

Personal Website, HTML, CSS, and JS   nicholasmatias.com
- Created a portfolio website with a user friendly, responsive design and ease of use navigation features.

Pong Game, Python
- Used object-oriented programming, the pygame library and a top-down approach throughout development to create a two-player version of the game pong.

ACTIVITIES

Apply AI, AI4ALL   September 2023 – December 2023
- Gaining technical and project-based skills in coding and AI on topics including data sourcing, organizing, visualization, implementation, and evaluation

Aggie Coding Club, Texas A&M University   August 2022 – Present
- Learned basics of web scraping, web development, Git, React, and more through weekly workshops, gaining exposure to a wide array of software and technology.

LeetCamp, Texas A&M University   August 2022 – Present
- Gained deeper knowledge of data structures and algorithms by working through leetcode problems in preparation for technical coding interviews with 20 other motivated students at weekly meetings.

Discover AI, AI4ALL   February 2023 – April 2023
- Learned about the applications and fundamental technical concepts of AI including types of machine learning, gradient descent, and neural networks.
- Investigated ethical implications related to data processing and AI implementation.

AWARDS: National Hispanic Scholar, 22-23; 23-24, HSF; National Merit Commended Scholar, College Board

HOBBIES: watching/ playing basketball, soccer, and football; weightlifting, running, and calisthenics; chess; origami