

# Nicholas Matias

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## EDUCATION

### Texas A&M University

College Station, TX

*Master of Science in Artificial Intelligence (Fast-Track Program)*

Aug. 2026 – May 2027

*Bachelor of Science in Computer Science, Minor in Mathematics, GPA: 3.736*

Aug. 2022 – May 2026

**Relevant Coursework:** Data Structures and Algorithms; Computer Organization; Programming Languages; Program Design and Concepts; Discrete Structures Computing; Foundations of Software Engineering; Design and Analysis of Algorithms; Computer Systems

**Affiliations:** SHPE, HSF, ColorStack, Aggie Coding Club, TAMU ColorStack, and AI4ALL

**Awards:** National Hispanic Scholar, HSF; National Merit Commended Scholar, College Board

**Hobbies:** basketball, soccer, football, weightlifting, running, calisthenics, chess, and origami

## EXPERIENCE

### Incoming Software Engineering Intern, Meta

May 2025 – Aug. 2025

### Software Engineering Intern, Meta

June 2024 – Aug. 2024

*InterviewMe | Express, Node.js, React, Firebase Authentication, and Firebase Firestore*

- Developed a full-stack web application, **InterviewMe**, capable of simulating a real-life behavioral interview through utilizing Whisper3 (speech-to-text), Llama3 (LLM), and Deepgram's text-to-speech API.
- Implemented user-centric features including question up-voting, company tag management, and search/sort functionality, increasing user engagement by 17% and streamlining interview preparation.
- Engineered a feedback system with fine-tuned text-classification models for STAR method evaluation, cosine similarity for response relevance, and action-based feedback; increased STAR scores by 7.34% on average.

### IT Intern, Lavner Education

June 2023 – Aug. 2023

- Guided a team of high schoolers through the development of 7+ full stack projects including websites, applications, and various games thus developing the students' technical skills.
- Designed and delivered comprehensive curriculum covering HTML, CSS, Python, C++, Java, and JavaScript, increasing project completion rates and improving code quality.

## PROJECTS

### Panda Express Revived | React, Express, Node.js, Vite, and PostgreSQL

- Created an intuitive software system for Panda Express with dedicated cashier, customer, and manager views, streamlining operations and enhancing ease of use.
- Integrated real-time translation, zoom functionality, and image-based navigation into the system, enhancing accessibility and efficiency for both staff and customers.

### AI Economic Trend Predictor | TensorFlow, Keras, Python, Pandas, Matplotlib, and Numpy

- Produced a model capable of effectively forecasting and comparing the performance of economic sectors between countries using stock indexes; identified key economic growth drivers.
- Optimized AI model to achieve a mean absolute error of 3.57% in forecasting stock closing prices, enabling more informed investment decisions and risk management strategies.

### AI Resume Enhancer | Python, Numpy, and Pandas

- Created a model capable of scanning a resume and then matching it to prospective job titles of high quality fit.
- Used tokenization, term frequency, inverse document frequency, and TF-IDF multiplication in model.

## LEADERSHIP

### Founder and President, TAMU ColorStack (ColorStack Chapter)

June 2024 – Present

- Managed a chapter of 50+ members, coordinating weekly LeetRooms, workshops, and events aimed at enhancing technical interview proficiency and overall career development.

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, JavaScript, HTML, CSS, LaTeX, SQL

**Frameworks:** React, Node.js, Express, Vite, Chakra UI, Firebase Auth, Firebase Firestore

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, PyCharm, Eclipse, Figma, PostgreSQL, Prisma

**Libraries:** Pandas, NumPy, Matplotlib, TensorFlow, PyTorch