Nicolas Mateo Romero

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EDUCATION

Texas A&M University, BS in Computer Engineering, Minor in Mathematics – College Station, TX **May 2026**
- **Cumulative GPA**: 3.41/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Program Design and Concepts, Intro to Digital Systems, Discrete Structures for Computing, Programming Languages

EXPERIENCE

Texas A&M College of Engineering – College Station, TX **August 2023 - December 2023**
Student Assistant
- Facilitated instruction of introductory Python course required for engineering students, supporting 100+ students
- Managed grading for 100+ students' assignments and exams, and proctored 3 in-person exams as well as 12 quizzes
- Conducted weekly office hours and review sessions, providing guidance to students in mastering course material

AI4ALL – College Station, TX **August 2023 - December 2023**
Discover AI College Pathways Participant
- Investigated ethical and sociological implication of data science and artificial intelligence implementation
- Explored over 10 technical AI concepts, encompassing machine learning, neural networks, and gradient descent
- Analyzed and implemented 4 different artificial intelligence models using Pandas, Jupyter, NumPy, and Matplotlib

Hotplate – Remote **May 2023 - August 2023**
AI Business Development Intern
- Constructed web scrapers and scalable data pipelines to collect metadata to identify high-potential clients
- Designed and built intuitive database schema, and processed user data for machine learning model training
- Studied operations of a Y Combinator-backed start-up, gaining valuable insights into entrepreneurial strategy

LEADERSHIP & EXTRACURRICULARS

TAMUhack – Logistics Director **March 2023 - Present**
- Coordinated two of Texas's largest student-run hackathons, attracting 800+ participants from 40+ universities
- Efficiently lead role in cultivating partnerships with key sponsors and ensuring a positive experience for hackers
- Managed all aspects of logistics and sponsorship, accounting for over $100,000 in growth, while orchestrating event

Aggie Coding Club (ACC) – Project Manager **September 2023 - Present**
- Founded and effectively articulated project's vision and goals to recruit a capable team of 20+ members
- Applied Agile methodology using Jira and Confluence, ensuring 80% of milestones were met within timelines
- Conducted weekly meetings to review sprint progress, assess timelines, and adjust project goals as needed

PROJECTS

Split (React Native, Yarn, Firebase) – Full-Stack Developer & Project Manager **August 2023 - Present**
- Adopted user-centric design, leveraging 5 screens and a navigation bar to seamlessly present diverse user features
- Integrated Google Firebase to store and systematize 40+ roommates personal and shared apartment information
- Crafted a modern user interface that boosted user satisfaction by 78%, while preserving integrity of essential features

Finger Speller (Python, Mediapipe) – Full-Stack Developer & Project Manager **August 2023 - December 2023**
- Developed computer vision software to detect and notify 29 ASL hand signs including complete ASL alphabet
- Trained a supervised learning model with Scikit Learn using 78,000+ images of ASL alphabet from Kaggle
- Utilized a Random Forest Classifier model to detect and classify ASL hand signs in live footage with 92% accuracy

TECHNICAL SKILLS

Python, NumPy, OpenCV, C++, C, Java, Javascript, React.js, Next.js, Node.js, Yarn, Tailwind CSS, HTML, Firebase, Git