

RYAN APARICIO

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EDUCATION

ST. EDWARD'S UNIVERSITY Austin, Tx
Computer Science Concentration in AI Aug 2022 - May 2026

RESEARCH EXPERIENCE

ST. EDWARD'S UNIVERSITY Austin, Tx
Undergraduate Researcher, Computer Science Feb 2025 - Aug 2025

Adapted GAN models for synthetic EEG generation, combining Gaussian noise and time transformations to boost training data diversity.

Preprocessed and segmented EEGMMIDB dataset with bandpass filtering and subject-wise train/validation/test splits.

Analyzed 16 data augmentation permutations to assess their impact on motor imagery EEG classification performance.

UNIVERSITY OF TEXAS AT AUSTIN Austin, Tx
NASCENT Young Scholars Research Program June 2019 - Aug 2019

Developed and tested an autonomous camera-bot system to assist a primary task robot in hazardous environments

Implemented robot navigation, safety-space constraints, and multi-robot coordination using C++ and ROS

Programmed TurtleBot and Pioneer robots for autonomous positioning and operator-directed movement

PROFESSIONAL EXPERIENCE

HANDSHAKE AI FELLOWSHIP Austin, Tx
AI Trainer Nov 2025 - Present

Produced high-quality training data (95% quality rating) across tasks.

ST. EDWARD'S UNIVERSITY Austin, Tx
Desk Worker (Systems Development) Nov 2023 - Present

Designed and deployed a secure mail and package checkout system for campus desk operations, serving over 300 students and increasing processing efficiency by 174%.

Implemented a lightweight web application using HTML, CSS, and JavaScript, with Google Sheets as a backend database for accessibility and security

Supported daily front desk operations while providing a professional and welcoming environment for students and staff

ST. EDWARD'S UNIVERSITY

Austin, Tx

Computer Science Concepts II Teacher Assistant

Jan 2025 - May 2025

Guided students in mastering fundamental and advanced programming concepts using Java.

VOTINGWORKS

Pflugerville, Tx

UX and Engineering Testing Intern

June 2024 - Sep 2024

Led and documented 20+ user tests to improve the voting experience and identify pain points for voters with physical impairments.

Aid in stress testing of 3 voting machines to ensure compliance with federal requirements

Presented VotingWorks' initiatives to 3 external organizations, including UT Austin and TWC, and Kalahari

ST. EDWARD'S UNIVERSITY

Austin, Tx

Video Game Lab Assistant

Oct 2022 – Dec 2022

Developed a personal AR project game using advanced C# skills, showcasing a practical programming application

Provided professional assistance to 20+ fellow students, offering expertise in debugging their projects and fostering a collaborative learning environment

PRESENTATIONS

UCLA McNair Scholars Research Conference Summer 2025

St. Edward's University McNair Symposium Summer 2025

AWARDS AND HONORS

- Endowed Scholarship, St. Edward's University, 2025-2026
- McNair Scholarship, St. Edward's University, 2025 - 2025
- Martin Scholars Award, St. Edward's University, 2024 - Present
- Bro. Barthel Scholarship, St. Edward's University, 2024 - Present
- TX Tuition Equalization Grant, Texas Higher Education, 2024 - 2025
- Scholar Award, St. Edward's University, 2023 - Present
- Slavik Scholarship, Slovak Catholic Sokol, 2023 - Present
- Breakthrough Austin, Breakthrough Central Texas, 2022 - Present
- Hispanic Chamber Scholarship, Austin Chamber of Commerce, 2022 - Present

- President's Merit Scholarship, St. Edward's University, 2022 - 2023
- St. Edward's Grant, St. Edward's University, 2022 - Present

LEADERSHIP AND SERVICE

President, St. Edward's University, Computer Science Club, Fall 2025 - Present

Vice President, St. Edward's University, AI Club, Spring 2025 - Summer 2025

Treasurer, St. Edward's University, First Generation Scholars, Fall 2024 - Present

TECHNICAL SKILLS AND CERTIFICATES

Programming: Python, Java, JavaScript, C++, MySQL

Frameworks/Tools: ROS, TensorFlow, PyTorch

Languages: English (native), Spanish (fluent)

Certificates: Intro and Intermediate ML (Kaggle), Intro to Deep Learning (Kaggle),

Student social research (CITI)