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Ayrton Bello Nanez

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EDUCATION

University of Texas at San Antonio, B.S. Degree in Computer Science, GPA: 3.45/4.00

Aug 2020 — Dec 2022 (expected)

Northwest Vista College, Computer Science

Aug 2018 — June 2020

TECHNICAL SKILLS

Programming	C, Python, SQL, Java
Other	HTML, CSS (Bootstrap), WordPress, Git, Tableau
Language	English (fluent), Spanish (native)

PROJECTS

Unmanned Aerial Systems Competition 2021

- Represented UTSA in a 4 student team to compete against 4 other universities in a drone competition and programmed a tello drone using **Python** to fly through an indoor obstacle course
- Won 1st place, earning a prize of \$400 that was donated to Robotics Automation Society at UTSA for activities

Portfolio Website

- Designed and wrote multipage personal portfolio site concept/layout from scratch using **HTML**, **CSS**, and **JavaScript**; deployed using GitHub and Netlify (ayrtonbellocv.com)

Calculator Compendium

- Worked in a team of 4 people in a class project to build a **Java FX** application that allows user easy access to 4 different types of calculators: conversion, tax, scientific, and matrix.

WORK AND EXPERIENCE

ABA Quantum Lab, UTSA – Undergraduate Research Lab Assistant

Nov 2021 — Present

- Work on projects related to researching and developing an AI model for data collection in the context of behavior analytic treatment of children and adults with autism
- Write a literature review on the use of motion analysis and human action recognition in individuals with autism

Robotics Automation Society, UTSA – President

Aug 2020 — Present

- Lead and organize a student board of 8+ members to organize 3+ technical workshops, 1+ projects, and social events every semester for 50+ organization members; workshops included Python, Fusion 360, Raspberry Pi, and ROS
- Collaborated with 4+ other UTSA organizations on projects/events and secured funding from the college for developmental activities, conferences, and workshops (\$350+)

Mathnasium/Tutor Doctor/Freelance (San Antonio, TX) – Math tutor

July 2019 — Present

- Mathnasium tutor for students grade 1-12, work with up to 4 students at a time by following a designated curriculum, ensuring designated daily/weekly assignments were completed with 100% accuracy
- Tutor for 10+ students ranging from middle school to college in subjects ranging from Algebra to Calculus through weekly/bi-weekly 1+ hour long sessions, ensuring higher grades and test scores for the student

UTSA Makerspace – Website administrator

Oct 2021 — December 2021

- Worked with head of Makerspace Website Operations and used **WordPress** and the Elementor page builder to expand, update, and add functionality to the UTSA Makerspace senior design pages (engineering.utsa.edu/makerspace)

SERVICE AND ORGANIZATIONS

Bulverde Area Humane Society

Volunteer

Sept 2021 — Present

Bulverde, TX

Association for Computer Machinery, UTSA

Project member | CodeQuantum hackathon mentor

Aug 2021 — Present

San Antonio, TX

Rowdy Chess Club, UTSA

Rowdy Knights coach

Aug 2020 — Present

San Antonio, TX