Benjamin Anzaldua

benjamin.anzaldua@utexas.edu · linkedin.com/in/benjamin-anzaldua
2111 Rio Grande Street, Austin, TX, APT 818 · Austin, TX 78705 · (956) 802-6169

EDUCATION

University of Texas at Austin, *Austin, Texas*   Expected Graduation Date: May 2026
Pursuing Bachelor of Science, Computer Science
   Current GPA *3.58*

EXPERIENCE

Paw Organic – Web Designer**,** McAllen, TX   July 2022 - December 2022
Lead Web Designer
   ● Led website development and attended to any issues that could arise
   ● Modified issues that the website had before I began working for the company
   ● Learned the value of having communication skills and being bilingual in order to communicate with others

Math Tutor, McAllen, TX   August 2022 - August 2023
   ● Tutored students in mathematics from 5th-grade math to college-level Calculus II
   ● Led students to reach their desired performance in their respective courses

PROJECTS/INDIVIDUAL ENDEAVORS

   ● **Evil Hangman**   *16 Hours*
      o Created a program that allowed the machine to cheat in Hangman against the user until it was forced to pick a word
      o The machine would do this by not selecting an exact word from the dictionary until it had no choice
   ● **Huffman Coding Compression**   *8 Hours/Week - 1 Week*
      o Used binary trees and queues to do Huffman encoding to compress files. The program would read a byte at a time, and count the number of occurrences of each byte in the file. The tally for each byte and the byte type would be placed into a priority queue to make a binary tree. Traversing this tree would determine the new byte value for whatever node it arrived at. The new values were then written out.
   ● **chARM v2 System Emulator**   *20 Hours/Week - 4 Weeks*
      o Implemented a set of several simulators which were: a set of hardware elements emulating hardware, a standalone simulator for the PIPE implementation, a standalone trace-drive cache simulator, and an integrated "PIPE-with-CACHE" simulator
   ● **Memory Management Lab**   *8 Hours/Week - 3 Weeks*
      o Wrote a dynamic storage allocator for C programs which was my take on the malloc and free routines
      o Implemented an allocator that was correct, space-efficient and high-throughput

LEADERSHIP & COMMUNITY INVOLVEMENT

Introduction to the World of CS, McAllen, TX   February 2022
Founding Member/Volunteer Position
   ● Created and presented a presentation to introduce the field of computer science to middle school students who had never been exposed to it.

SKILLS

Technical /Computer Skills: MS Excel, Word, Powerpoint, Advanced Java, Advanced C, Intermediate Python, Intermediate/Advanced Swift, Intermediate HTML, Intermediate CSS
Soft Skills: Problem-solving, Critical Thinking, Effective Communication Skills
Languages: Fluent in Spanish, Basic/Intermediate French
Certifications: Microsoft Certified, Employability Skills Certified

HONORS AND AWARDS

   ● International Baccalaureate Diploma