

Benjamin Gonzales

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EDUCATION

The University of Texas at Austin

Graduation: May 2025

Bachelor of Science in Computer Science and a minor in Business

GPA: **3.6930**. Credit Hours: **41**

Relevant Coursework: *Data Structures, Discrete Math, Up to and including Multivariable Calculus*

Currently Taking: *Computer Organization and Architecture, Introduction to Probability and Statistics*

Technical Skills

Programming Languages: Proficiency: **Java, Python**

Familiar: **PHP, SQL, C, C++, C#**

Frameworks/Programs: **Linux, Unity, MariaDB**

PROJECTS

Twitter Clone (social media web application):

Individual

Dec. 2021 - Jan. 2022

- Developed with a LAMP tech stack, predominantly coded in PHP
- Architected with an MVC design pattern for organization and scalability
- Engineered a login/registration system and a space to create/view posts

Huffman Coding (compression/uncompression software):

Individual

Nov. 2022

- Implemented Huffman's lossless encoding algorithm to compress and uncompress files
- Engineered with a Huffman tree and a priority queue

Grappy Grind (game):

Individual

Feb. - Mar. 2021

- Designed an obstacle based swinging game in Unity
- Implemented some of my own physics knowledge alongside Unity's prebuilt functions

Word Cloud (a visual):

Group

Jan. 2020

- Developed a program that displays words in different sizes depending on their frequency.
- Programmed to scrape an HTML webpage, store words in a hash map, and display the visual word cloud

Various other projects: Snake game, Automatic zoom meeting opener for classes, Quizlet Generator

ACTIVITIES

Texas Blockchain Club, Austin, TX

Jan. 2022 - Present

- Exploring blockchain technology through research, workshops, coursework, summits, and speaker series.
- Learning to Code Blockchain DApps and smart contracts in Solidity

CWHS Competitive Programming Team, Cypress, TX

Sept. 2018 - Apr. 2021

- Competed in 3-person group coding competitions using various algorithms and data structures
- Competed individually by taking UIL written tests over close details of samples of code in Java

EXPERIENCE

Kumon Tutoring Center, Cypress, TX

June 2020 - Aug. 2021

- Instructed math, reading, and grammar concepts in-person and through Zoom for students in pre-k to 10th grade
- Reported timely and relevant feedback to parents regarding student strengths as well as areas for improvement

2021 AT&T Summer Learning Academy Extern, Remote

July 2021

- Learned about personal development, business and technology through live events and self-paced classes
- Gained insights on life at AT&T from their leaders and experts.

AWARDS

- Freshman and Junior Varsity Cross Country MVP Award (ran all four years of high school)