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 using Unity tools and C# scripts
- Implemented some of my own physics knowledge alongside Unity's prebuilt functions

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

ACTIVITIES

Momentum, Austin, TX   Feb. 2022 - Present
- Engineering software part-time for **Root**: a user-friendly medical translator web application
- Collaborating and networking with other ambitious people through events and other social 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)