

Leonard Buckel

leo.j.buckel@gmail.com | 512-481-8856 | [LinkedIn](#) | [Portfolio Website](#)

Education

Texas A&M University

College Station, Texas

Sophomore, Majoring: Mechanical Engineering

GPA: 3.851

Projects

3-Way Hi-Fi Speaker Build

Summer 2025

- Designed and manufactured a custom 3-way speaker using Dayton and Peerless drivers in Fusion 360, optimized frequency response and crossover integration.
- Modeled and tested in WinISD to enclosure dimensions and port tuning for acoustic performance.
- Soldered and wired crossover network, ensuring proper impedance matching and power handling.

Electric Go-Kart

Summer 2023

- Modified a wooden go-kart design to integrate an electric motor, controller, and battery system.
- Fabricated wooden chassis and body panels using saws, drills, and fasteners, ensuring structural strength and alignment for safe operation.
- Wired and tested the electrical system, including throttle control, head lights, and battery equalizer.

2D Pixel Platform Game

Summer 2024

- Built a 2D platformer game in Unity with custom pixel-art assets and interactive environments.
- Implemented core gameplay mechanics including player movement, jumping physics, and collision detection.
- Strengthened skills in C# scripting, object-oriented programming, and iterative debugging within Unity.

Organizations

Freshmen in Engineering, Science, and Technology (FEST)

College Station, Texas

- Leadership organization focusing on professional growth through mentorship and guest speakers.
- Engage in professional workshops and community service

Skills & Interests

Skills: Fusion 360, Solid Works, Wood Working, Soldering, and Python

Language: Fluent in German

Interests: Soccer, Drawing, League of Legends, Cooking, and Volleyball