

Ibrahim Eren Bisen

Austin, Texas | 512.748.5271 | Ebisen2003@gmail.com | ibrahimbisen.github.io

EDUCATION

The University of Texas at Austin

August 2021 – April 2026

B.S., Aerospace Engineering • Certificate in Elements of Computing • GPA: 3.6

Organizations: Project PL-8, HackTX23, Longhorn Car Club, Texas Guadaloop

Honors: Congressional Award Gold Medal, TBPE The Future Engineering Award, Raindrop Higher Education Fund Scholarship

EXPERIENCE

MxV Rail, Pueblo, Colorado

April 2025 – August 2025

Precision Instrumentation Engineer

- Conducted full-scale impact testing of heavy-duty dampers for Blue Origin's New Glenn rocket landing gear, performing precision data acquisition and validation under extreme dynamic loads.
- Designed an advanced water-containment system for a high-speed bearing rig tester, applying thermal management and materials selection principles to improve durability testing.
- Performed calibration and tolerance measurements (instrumented wheelsets, MiniProf surveying) to ensure mechanical integrity and compliance with performance standards.

Project PL8, Austin, Texas

Aug 2023 – Present

President and Head of Engineering

- Founded and currently leading Project PL8 with 64 members, managing both the 4 business and 8 engineering teams.
- Spearheading the design and production of the world's first street-legal sports car built by students and the world's first-ever car made from basalt fiber.
- Overseeing all phases of engineering development, from Initial Concept Review to Final Production.
- Leading the Chassis team to design an innovative monocoque-style structure, combining racing technology with traditional automotive manufacturing methods.
- Collaborating with business teams to secure partnerships and establishing corporate relations with companies interested in sustainability and automotive innovation.

Texas Guadaloop, Austin, Texas

May 2023 – Dec 2023

Manufacturing Team Lead

- Leading a team of 11 members that assist and prepare the members for manufacturing season in their respective subsystem.
- Working on three projects called "Restore Pickle Labs" to restore and create air tool systems for the team, Kevlar and Fiberglass composite shell production, and custom machined and welded hyperloop trailer production.
- Gave 4 Guada Learn workshop classes to team members about MIG welding, machining, operational safety, and composites manufacturing.

Raindrop Foundation, Austin, Texas

Aug 2023 – Feb 2024

Robotics Instructor

- Mentoring a class of 13 students ranging from 5th to 8th grade in preparation for the LEGO First Robotics Competition.
- Guided students through the hands-on process of building and optimizing robots and teaching them the Lego Spike black coding.
- Cultivating a collaborative learning environment, emphasizing teamwork, communication, and group problem-solving.

Other Experiences: Retail Employee at Whole Foods -- Engineering Intern at Terra Pave International -- Data Analyst at UT Austin -- Machine Shop Associate at UT Austin -- Track Design and Manufacturing Engineer at Texas Guadaloop -- Research Assistant at Western Illinois University -- Student Intern at Rice University

PROJECTS

BMW 1984 E30 - Nut & Bolt complete restoration

Gray - A quadruped robot dog, uses ML Algorithm to walk

F1 Simulation Rig - a forged carbon Formula 1 Racing cockpit for competitive simulation racing

Other - You can view my other projects at my [Portfolio](#)

ADDITIONAL INFORMATION

Publications: IGI Global – 2, Eurasian Journal of Higher Education – 2, London Journal of Sciences – 1

Design Skills: SolidWorks, AD Inventor, AD Fusion 360, AD Vault, Ansys, Machining, Composites, TIG and MIG Welding,

Computer Skills: MATLAB, C++, Java, Python, Git, GitHub, Html, CSS, JavaScript, Unity, Linux

Languages: Fluent in English and Turkish, working proficiency in Russian and Arabic