

IBRAHIM EREN BISEN

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EDUCATION

The University of Texas at Austin	Bachelor of Science Aerospace Engineering, Space Flight	Aug 2021 – May 2025
	Minor: Computer Science	
	Overall GPA: 3.66	

EXPERIENCE

Terra Pave International – *Engineering Intern*; Austin, TX; Co-Op Jul 2022 -Present

- Research and develop real-life implementation of Terra Fog™ to enhance asphalt pavement by preventing oxidation, renewing appearance, sealing cracks, and strengthening the structural matrix as an Engineering Intern.
- Designed and developed the website from scratch for Terra Pave International by using HTML, CSS, and JavaScript, ensuring a user-friendly interface, optimal functionality, and a cohesive brand image.

Texas Guadalupe – *Track Design and Manufacturing Engineer*; Austin, TX Jan 2023 -Present

- Designed and stress-tested CAD designs and GD&T drawings for a custom hyperloop track.
- Manufactured 6 feet of track for testing, demonstrating proficiency in executing complex manufacturing processes with precision.
- Collaborated effectively with the Track and Manufacturing Teams to optimize performance and efficiency in a fast-paced Hyperloop Development.

University Of Texas at Austin – *Data Analyst*; Austin, TX; Part-Time Aug 2022 – Nov 2022

- Data analyst and evaluator for a CCBHC-E grant from SAMHSA awarded to a local mental health authority.
- Developed an advanced Python algorithm using Pandas to analyze and build a comprehensive database.
- Increased efficiency and accuracy in data management and analysis through algorithm implementation.

University Of Texas at Austin – *Machine Shop Associate*; Austin, TX; Part-Time Sep 2021 – Apr 2022

- Designed CAD models and manufactured metal parts for academic and non-academic projects with precision and attention to detail.
- Created injection mold plates for fidget spinners using SolidWorks and Fusion 360 and manufactured them in HAAS CNC machine.
- Mastered the use of various machine tools, such as band saw, lathe, milling machine, automatic milling machine, and bench grinder, enhancing proficiency in metalworking and manufacturing.

Rice University - *Intern*; Houston, TX; Co-Op May 2020 – Jan 2022

- Published five articles with IGI Global Academic Journals, contributing to academic discourse on the role of AI and machine learning in higher education.
- Presented research at London International Conferences and provided valuable insights and recommendations for leveraging these technologies to enhance the teaching and learning experience.
- Led four different groups of students in organizing and writing these articles, helping to develop their research and writing skills while contributing to academic discourse.
- Researched US government STEM opportunities for Rice University's STEM Programs Director and presented valuable insights and strategies for advancing the university's initiatives.
- Demonstrated leadership and achieved significant accomplishments in various areas, resulting in an extension of my internship/co-op offer on four separate occasions.

Western Illinois University. – *Research Assistant*; Macomb, IL; Co-Op Aug 2020 - Jan 2021

- Conducting groundbreaking research on the impact of Covid-19 on crime rates and law enforcement as a research assistant intern under the supervision of Dr. Niyazi Ekici at Western Illinois University.
- Contributing to our understanding of the complex and evolving relationship between public health and public safety through this research.

ACADEMIC PROJECTS

- Gray - Designed and developed a quadruped dog from scratch, implemented an AI algorithm to teach it how to walk. 2022
- Controller - Engineered a Universal Controller using Raspberry Pi to control all projects I have done. 2021
- SPMP - Programmed a Microsoft Excel Application that high-school students can personalize and track their academic progress with 2016 - Present
- Mentor – Flutter Mobile Application Project for a non-profit organization 2021
- Other – You can view all of my other projects here.

PUBLICATIONS AND CONFERENCES

- [Problems With Online Education and Possible Remedies](#) – IGI Global February, 2022
- [Is Online Education A Setback or a Step Forward?](#) - Eurasian Journal of Higher Education December, 2021
- [Fifth London International Conference](#) November, 2021
- [Reimagining Education with Artificial Intelligence](#) - Eurasian Journal of Higher Education September, 2021
- [Fourth London International Conference](#) September, 2021
- [The State of Education and Artificial Intelligence After the Pandemic](#) - London Journal of Social Sciences June, 2021
- [Third London International Conference](#) June, 2021
- [Artificial Intelligence and Machine Learning in Higher Education](#) - IGI Global December, 2021

HONORS AND AFFILIATIONS

- Congressional Award Gold Medal Fall 2021
- The Future Engineering Award Fall 2019
- UT IEEE RAS Member Oct 2022 - Present

ADDITIONAL INFORMATION

Computer Skills: SolidWorks, Autodesk Inventor and Fusion 360, Html, CSS, Python, C++, Java, Microsoft Excel, Git, GitHub

Certifications: Microsoft Java and Python Certification, Autodesk Inventor User Certification

Languages: Fluent English and Turkish speaker and working proficiency in Russian

Interests: Artificial Intelligence, Robotics, CAD, App Development, Manufacturing

Work Eligibility: Eligible to work in the U.S. with no restrictions

REFERENCES

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