Luis Gonzalez

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PROFESSIONAL SUMMARY:

Motivated and creative Electrical and Computer Engineering student at UTSA's Klesse College of Engineering and an Honors Roadrunner. Passionate about hands–on learning and building real–world solutions. Proven team leader who thrives in collaborative environments, tackling challenges with creativity, determination, and a strong growth mindset. Seeking opportunities to contribute to innovative engineering projects.

Relevant Coursework:

Engineering Projects in Community Service	Fall 2023
Logic Design	Fall, 2024
Digital Circuits	Fall, 2024
Linear Algebra	Fall, 2024
Differential Equations I	Spring, 2025
Statics & Dynamics	Spring, 2025
Discrete Math	Spring 2025
Electric Network Theory	Spring 2025
Micro Computer Systems I	Spring 2025
Engineering Analysis II	Fall 2025
Math in Signal & Systems	Fall 2025
Electronic Circuits I	Fall 2025

RESEARCH INTERESTS:

I am interested in robotics systems design/development. Passionate about exploring how robotic technologies can optimize processes, solve challenges, and drive innovation in engineering.

Skills

Programming

- **Python – Intermediate**
- **Matlab – Intermediate**
- **R – Intermediate**
- **C/C++ – Advanced**
- **Java – Novice**
- **HTML/CSS –Novice**
- **XML – Novice**
- **Assembly – Intermediate**
- **OpenCV – Intermediate**
- **Git – Intermediate**

Software

- **Microsoft Office – Advanced**
- **Google Suite– Advanced**
- **AutoCAD – Advanced**
- **Revit – Intermediate**
- **SolidWorks – Advanced**
- **3D Printing – Advanced**
- **KiCad – Intermediate**
- **Linux – Intermediate**
- **Computer Vision – Intermediate**
- **GitHub - Intermediate**

Hardware

- **Arduino – Advanced**
- **Tetrix Prizm – Advanced**
- **Raspberry PI – Intermediate**
- **Jetson Nano – Intermediate**
- **ESP32 – Advanced**
- **PIC 16F1825 – Intermediate**

CERTIFICATES/AWARDS:

Certification – Additive Manufacturing

Awards:

- Architecture Construction Engineering mentorship alumni scholarship 2023 – present
- National Society of Collegiate Scholars 2023 – present
- UTSA Honor's College 2023 – present
- Dean's List 2023 – present
- Engineering Projects in Community Service Award 2023

EDUCATION:

The University of Texas at San Antonio — Expected Graduation year: **2027**
Bachelor's in Electrical & Computer Engineering — GPA: 3.7

PROJECTS & PRESENTATIONS:

Humanoid Robot	2023
Eye Tracking for ALS Patients	2024–Present
Small Bluetooth RC Car	2024
San Antonio Zoo – Gibbons Water Button	2025
Metal Robotics Arm	Present
University Rover Challenge (Intelligence Team)	2024
Custom Lithophane with Custom PCB	Present

Presentations:

- The Modernization of the San Antonio Missions Stadium (UTSA Downtown) 2023
- Humanoid Robot for Engineering Projects in Community Service (EPICS) 2023
- ALS Eye Tracking Prototype (EPICS) 2024

PROFESSIONAL AFFILIATIONS & COMMUNITY INVOLVEMENT:

ACE Mentorship Program (Organization Alumni)	2021 – 2023
Science & Engineering Mentor – John Jay Science & Engineering Academy, Texas	2022 – 2023
STEM Festival Event – John Jay Science & Engineering Academy, Texas	2023
Volunteer – Deer Meat Skinning – San Antonio Food Bank, San Antonio, Texas	2023
Foster Care Highschool Tutor – San Antonio, Texas	2023 – 2024
National Society of Collegiate Scholars	2023 – present
UTSA Mathematical Association of America (Student Member)	2023 – present
NSCS Chapter at UTSA (Organization President)	2024
IEEE Robotics Automation Society (Organization Executive Officer)	2024 – present
Engineering Projects in Community Service (Student Org Vice President)	2024 – present
Engineering Projects in Community Service (Organization Vice President)	2024 – present
Society of Hispanic Professional Engineers (Student Member)	2024 – present
Engineering Projects in Community Service Organization – UTSA, Texas	2024 – present
IEEE (Member)	2024 – present
Engineering Projects in Community Service Junior/Freshman level course (Teaching Assistant)	2025 – present