

# 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 Interest

*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 – Intermediate
- 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
- Tetrax 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

Bachelor's in Electrical & Computer Engineering

Expected Graduation year: **2027**

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
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