

Gabriel Alexander Torres

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SKILLS

- C/C++	- HTML	- SQL	- Machine Learning
- Java	- CSS	- Jira	- Data Analytics
- Python	- JavaScript	- Agile Methodology	- Version Control

EDUCATION

Bachelor of Science in Computer Engineering

Texas A&M International University (TAMIU), Laredo, TX

Overall GPA: 3.7 | Expected Graduation Date: May 2024

June 2020 – Present

PROFESSIONAL EXPERIENCE

Student Software Engineer

Texas Center for Border Economic and Enterprise Development (TCBEED), Laredo, TX

- Develop and maintain interactive data reporting web applications that integrate RESTful APIs for automatic data embedding to enhance efficiency and streamline the data collection process.

August 2023 – Present

Software Engineering Intern

Northrop Grumman, Colorado Springs, CO

- Developed software for a web application using Agile methodologies, adhering to a structured approach that allowed for continuous feedback and iteration. Collaborated closely with the product manager, software team, and customer to ensure seamless product integration.

June 2023 – August 2023

Software Engineering Intern

City of Laredo Health Department, Laredo, TX

- Responsible for developing a patient data management application, analyzing patient demographics, conducting research, and assisting with developing health content.

January 2023 – April 2023

IT Business Analyst Intern

TAMIU Office of Information Technology, Laredo, TX

- Maintained reports based on Student Information System (SIS) data. Provided local program support for SQL student database applications. Created and modified programs to extract data from SIS using WebFocus Language.

April 2021 – January 2023

PROJECTS

Live Parking Lot Map using Computer Vision, Texas A&M International University

- Collaborate with a team of students under a faculty mentor to plan, design, and develop a live parking lot map system into a feasible business. Responsible for developing the backend side of the system by creating a database and API that allows communication to the frontend web interface.

September 2023 – Present

Texas Center International Trade Data Navigator, TCBEED

- Develop a web application to access the International Trade Data API using HTML, CSS, and JS to populate an Oracle SQL database using automation scripts for efficient data collection.

August 2023 – Present

Trajectory Generator Documentation Reference, Northrop Grumman

- Developed a web-based documentation reference using HTML, CSS, JS, and VBS that displays important information about the product in a centralized place for a better user experience.

June 2023 – August 2023

SpeakGPT, Texas A&M International University

- Created a GPT-Based AI Chatbot with Speech Recognition using Python and the OpenAI, Tkinter, and speech_recognition libraries to make OpenAI's GPT tool more accessible.

January 2023 - May 2023

Patient Data Management Application, City of Laredo Health Department

- Developed a Java application using the Swing and JFreeChart libraries to display and manage patient data allowing the health department to manipulate, extract, and view patient data securely and efficiently.

January 2023 – April 2023

ACADEMIC & PROFESSIONAL AFFILIATIONS

President, TAMIU Students for the Exploration and Development of Space

August 2022 – Active

Member, National Association of Rocketry

November 2022 – Active

Member, TAMIU Society of Hispanic Professional Engineers

June 2022 – Active

HONORS, AWARDS, AND CERTIFICATES

- TAMIU College of Arts and Sciences Dean's List
- Laredo College Full-Stack Web Development Certificate
- Carroll E. Summers, III Memorial STEM Endowed Scholarship
- Sanchez Family Foundation Engineering Scholarship