

# JOSE GUILLERMO MARTINEZ

jguillermo.martinez1@gmail.com | (956)-771-2174 | jgmartinez.com

## EDUCATION

### Georgia Institute of Technology

M.S. in Computer Science

Expected Graduation 2026

- **Concentration:** Machine Learning
- **Related Coursework:** Knowledge Based-AI, Analytics Modeling

### Texas A&M University

M.S. in Civil Engineering

2021

- **Concentration:** Structural Engineering
- **Related Coursework:** Finite Element Analysis (Python)

### Texas A&M University

B.S. in Civil Engineering

2019

- **Concentration:** Structural Engineering
- **Related Coursework:** Matrix Analysis, Calculus, Linear Algebra, Numerical Methods & Computing Programming, Statistics

## TECHNICAL SKILLS

**Programming:** Python, JavaScript, SQL, HTML, CSS, R, MATLAB

**Frameworks:** Node.js, Express.js

**Developer Tools:** VS Code, MongoDB, Git, RStudio, Jupyter Notebooks

**Languages:** English, Spanish, Japanese (Basic)

**Certifications:** Google Data Analytics, Google Advanced Data Analytics, DeepLearning.AI Supervised Machine Learning

## PROJECTS

### Movie Rental API

*Programming Languages & Tools: JavaScript, Node.js, Express, MongoDB*

- Developed a RESTful Movie API by designing and implementing CRUD operations using Node.js, Express, and MongoDB, enabling efficient management of movie data.
- Established relational data models by creating schemas for movies, genres, and customers with Mongoose, facilitating structured data storage and retrieval.
- Enhanced API security and reliability by integrating authentication and authorization mechanisms, implementing data validation, and conducting unit and integration testing.

## EXPERIENCE

### Parkhill

Structural EIT

Lubbock, Texas

June 2024 – Present

- Oversee projects through from the conceptual design phase to the completion of the construction administration.
- Coordinate with multiple disciplines to consultants, contractors, owners, and team members to ensure that our projects are successful.

### Hunt & Joiner, Inc.

Design Engineer

Dallas, Texas

July 2021 – May 2024

- Project planning and scheduling for projects in specific business segments the company services.
- Act as the point of technical contact between the client's technical staff and the technical staff of Hunt & Joiner on specific project assignments.