

# JOSE GUILLERMO MARTINEZ

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## EDUCATION

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### 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

B.S. & M.S. in Civil Engineering

2019 & 2021

- **Concentration:** Structural Engineering

## TECHNICAL SKILLS

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

**Frameworks/Libraries:** Node.js, Express.js, React

**Developer Tools/Technologies:** 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

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### Movie Rental API

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

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### Parkhill

Structural Engineer

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.