

# JOSE GUILLERMO MARTINEZ

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## EDUCATION

### Georgia Institute of Technology

Spring 2027 (Expected)

*M.S. in Computer Science (Machine Learning), GPA: 4.00*

- Related Coursework: Knowledge Based-AI, Analytics Modeling, Network Science, Software Development

### Texas A&M University

2019 & 2021

*B.S. & M.S. in Civil Engineering (Structural Engineering)*

## WORK EXPERIENCE

### Parkhill

06/2024 – Present

*Software Engineer (Co-Op)*

*Lubbock, TX*

- Engineered a REST API backend with Node.js, Express, and MongoDB, improving scalability and performance for a full-stack web application.
- Debugged and optimized existing code (C#) and implemented new extensions to significantly improve maintainability and streamline future development.

*Structural Engineer*

- Managed interdisciplinary communication and collaboration across various technical and non-technical teams in order to integrate efforts, mitigate roadblocks, and drive projects to successful completion.

### Hunt & Joiner, Inc.

07/2021 – 05/2024

*Structural Engineer*

*Dallas, TX*

## TECHNICAL PROJECTS

### 🔗 Braggy.dev - Personal Achievement Tracker | MongoDB | Express | React.js | Node.js

- Developed and deployed a cross-platform full-stack note synchronization web app by building cloud-based storage with real-time updates to accomplish seamless access across desktop and mobile devices.
- Implemented secure user authentication by integrating Clerk's OAuth system to accomplish enterprise-grade security without managing sensitive user credentials.
- Designed a RESTful API architecture by creating Express.js endpoints with MongoDB integration to accomplish efficient CRUD operations for notes with user-specific data isolation.

### 🔗 RESTful API for Movie Rentals | MongoDB | Express | Node.js

- Developed a RESTful Movie API by designing and implementing CRUD operations using Node.js, Express, and MongoDB, enabling efficient management of movie data.
- Enhanced API security and reliability by integrating authentication and authorization mechanisms, implementing data validation, and conducting unit and integration testing.

## SKILLS

**Programming:** Python, JavaScript, SQL, HTML, CSS, R, C#, MATLAB, Node.js, Express.js, React.js, VS Code, MongoDB, Git, RStudio, Jupyter Notebooks

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

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