

JOSE GUILLERMO MARTINEZ

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EDUCATION

Georgia Institute of Technology

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

Expected May 2027

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

Texas A&M University

M.S. in Civil Engineering (Structural Engineering)

Jan. 2020 – May 2021

Texas A&M University

B.S. in Civil Engineering (Structural Engineering)

Aug. 2016 – Dec. 2019

EXPERIENCE

Software Engineer (Co-Op)

June 2024 – Present

Parkhill

Lubbock, TX

Software Engineer (Co-Op)

- 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 written in 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

Structural Engineer

Jul. 2021 – May 2024

Hunt & Joiner, Inc.

Dallas, TX

- Facilitated technical communication between clients and internal development teams using clear, concise language in order to translate complex requirements and resolve technical blockers efficiently, ensuring project alignment and successful delivery

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, Android Studio

Languages: English, Spanish, Japanese (Basic)

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