

John Mejia

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PERSONAL LINKS

LinkedIn: [linkedin.com/in/john-mejia-a01b55182](https://www.linkedin.com/in/john-mejia-a01b55182)

GitHub: github.com/JohnMejia014/

Portfolio Website: johnmejia014.github.io/Portfolio/

SKILLS

Programming Languages: Python, Javascript, Typescript, HTML, CSS, Java, C, C++, Assembly, Verilog, LabView

Languages: Fluent in English, Spanish

Front End Tools: React, React Native, Expo, Android Studio

Back End Tools: MongoDB, AWS S3, DynamoDB, Python Flask

Hardware: Circuit Design, Circuit Board Programming, Test Bench Creation, Soldering, Splicing

Version Control: VSCode, Git, Agile/Scrum Methodology

WORK EXPERIENCE

TRANE TECHNOLOGIES

Tyler, TX

System Controls Co-op Engineer

Jan 2023 – Aug 2023

- Developed, Built, and Wired test fixtures for Furnace and Control testing, highlighting technical skills and attention to detail.
- Accessed code database to develop firmware controls testing using Eclipse, displaying proficiency in software development and programming
- Developed firmware utilizing Modbus protocol to enable information transfer between control boards, resulting in significant time savings for system testing
- Designed and developed a gas valve tests stand for evaluation flow rate and velocity measurements from various gas valve suppliers, resulting in increased quality control and improved efficiency, ultimately saving the company time and resources
- Served as a technical project lead, orchestrating meetings and leading an IDR 3.0 presentation that contributed to a successful product launch

EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN

Austin, TX

Bachelor of Engineering

May 2024

Major in Electrical and Computer Engineering, focus on Software Engineering

Cumulative GPA: 3.73/4.0

Relevant Coursework: Software Design; Software Architectures; Software Lab; Algorithms; Computer Vision; Digital Logic Design; Information Security/Privacy; Linear Systems and Signals; Probability; Discrete Math

PROJECTS

FULL STACK APP DEVELOPER - *Capstone Project: Kickoff Connect*

Aug 2023 - Apr 2024

- Led the development of a multi-sport pickup app using React Native, Expo, and Google Maps API
- Responsible for designing, creating, developing, and testing, the front end of the app
- Utilized Amazon for S3 for storing posts and profile pictures, and managed user and event information with DynamoDB
- Collaborated with a cross-functional team of 5 students and 1 mentor to implement features and ensure seamless integration of front end with backend systems

BACK END DEVELOPER - *Software Lab Project: Resource Management Website*

Sep 2023 - Dec 2023

- Led the development of the back end for a resource management website, utilizing Python Flask for server-side logic
- Implemented robust MongoDB database management, ensuring efficient storage and retrieval of resources
- Collaborated seamlessly with front-end developers to integrate the back-end functionalities, creating a cohesive and responsive user experience
- Successfully deployed the website on Heroku, overseeing the entire back-end infrastructure