Michael Lleverino

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Education

Texas State University   *Expected Grad: May 2025*
Bachelors of Science in Computer Science | Minor Applied Mathematics
- **GPA 3.68/4.0**
- **Relevant Coursework:** Data Structures, Algorithms, Software Engineering, Artificial Intelligence

Experience

Software Developer   *San Marcos, TX*
Texas State University   *January 2025 – Present*
- Designed and developed a collaborative platform's front-end using **React**, creating dynamic and responsive user interfaces through modular component architecture.
- Collaborated with a senior UI/UX designer to create intuitive interfaces for faculty and students, ensuring accessibility and streamlined user experiences.
- Implemented dynamic matching of students to faculty projects by developing a robust talent pool through advanced database design and query optimization.

Projects

Workout Tracker | Source Code ⬈   June 2024 - Aug 2024
- Developed a full-stack workout tracker using **React Native**, **JavaScript**, **Node.js/Express**, and **PostgreSQL** to manage and track personalized fitness routines
- Implemented **RESTful APIs** for efficient data retrieval and adhered to the **MVC** design pattern to ensure modular, maintainable, and scalable application design.
- Developed core features for workout creation, editing, and management, enabling users to track sets, reps, and weights, with a responsive UI and robust user authentication using JWT tokens

NASA Control Center | Source Code ⬈ | Site ⬈   Nov 2024 - Dec 2024
- Developed a NASA Control Center app using **React**, **Node.js**, and **MongoDB** to identify potentially habitable exoplanets from NASA and Kepler data.
- Deployed the app with CI/CD pipelines with **GitHub Actions**, Containerized with **Docker** for streamlined deployment, and hosted it on **AWS** EC2 for scalability and reliability.

Top Down Tank Game | Source Code ⬈   Sept 2024 - Dec 2024
- Engineered a top-down tank game leveraging **MERN** stack(React, Node.js/Express.js, and MongoDB) ensuring seamless integration between frontend and backend systems
- Designed a clean and intuitive user interface (UI), paired with smooth gameplay mechanics, to enhance user experience and accessibility
- Implemented a MongoDB database to manage player data, including persistent score tracking and a real-time leaderboard system

Technical Skills

Languages: JavaScript, TypeScript, SQL, HTML5, CSS, Python, Java, C++

Libaries/Frameworks: React, React Native, NodeJS, MongoDB, Tailwind, Bootstrap, Jest

Developer Tools: AWS, Postman, Git, Docker, Github Actions