

Bradley Vazquez

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EDUCATION

University of The Rio Grande Valley

Bachelor in Computer Science

Edinburgh, TX

Aug. 2021 – Current

EXPERIENCE

Undergraduate Research Assistant

University of The Rio Grande Valley

June 2021 – Present

Edinburgh, TX

- Spearheaded front-end development of system using React.js, Vite and Material UI
- Managed RestAPI calls and connected the system to a Python Django database with custom APIs via Axios for data GET/POST methods
- Developed a deep understanding of best practices, such as reusable components with props and state hooks where necessary

Information Technology Support Specialist

University of the Rio Grande Valley

Sep. 2022 – Present

Edinburgh, TX

- Assisted students and staff with computer/printer related issues
- Provided preventative maintenance and repairs to laboratory printers and Computers
- Monitored labs and made sure that they were in good condition and opened/closed on schedule

PROJECTS

Weather Application | *Java, Spring-Boot, HTML/CSS, MySQL, Maven, Docker*

July 2023 – Present

- Engineered a comprehensive weather application employing Spring Boot for backend RESTful API development and HTML/CSS for frontend, with an added layer of Docker for containerization.
- Utilized Spring Boot's powerful features to create a RESTful API, enabling retrieval of current weather data from external sources.
- Developed robust backend services for fetching and processing weather data, ensuring efficient data flow and minimizing latency.
- Incorporated third-party APIs (e.g., OpenWeatherMap) to retrieve accurate weather data, showcasing integration skills.

Music Player | *Java, Maven, JavaFX, Git*

May 2023 – July 2023

- Designed and developed a feature-rich music player application using JavaFX, showcasing modern UI design and intuitive controls.
- Implemented core playback functionalities, including play, pause, stop, and track navigation, enhancing user experience.
- Integrated JavaFX's MediaPlayer for audio playback, supporting various formats like MP3 and WAV.
- Created a dynamic GUI displaying track information, volume control, progress bar, and customizable playlist management.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML/CSS, SQL

Frameworks: Spring, React, Flask, FastAPI, Spring-Boot, MySQL

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ