# James Garcia

Houston, TX | linkedin.com/in/jgarcia1201

## Work Experience

**Software Engineer**                                                        *September 2022 – Current*
Echo360                                                                                               Remote

— **Browser Capture UI with Virtual Backgrounds (React, Typescript)**

  Collaborated with Product Designers to refactor a content creation application capable of recording an external camera or user's screen with audio, leading to a 25% decrease in related support queries

  Improved data processing for EchoVideo's in-browser video capture software, by integrating a segmentation model that reduced GPU utilization by 30% while enabling background swapping and blurring.

— **EchoVideo Recycle Bin & Archival System (Python, Scala, React, DynamoDB, MySQL)**

  Designed and developed a heavily used file archiving system with scheduled removal of archived files based on user-defined intervals.

  Reduced company's DynamoDB footprint by 10% through the regular clean up of files.

— **EchoVideo Zoom Integration (Scala, React, Python)**

  Wrote UI & backend logic used to integrate Zoom into EchoVideo, allowing users to automatically add Zoom recordings into their library.

  Wrote backend logic and supporting UI components for configuration pages of Zoom integration within the EchoVideo Platform.

— **Embedded Media Player & Anonymous Session (Scala, Redis, Typescript)**

  Added cookieless authentication to media player to be used by publicly available links and LMS platforms such as Canvas and Blackboard.

  Created frontend logic handling the rotating of JWT tokens to be used during cookieless authentication.

— **LTI 1.3 Configuration Pages for Blackboard and Canvas (React, Scala)**

  Implemented UI and backend functionality facilitating the integration of EchoVideo into LMS Platforms.

  Participated in customer meetings with users accessing EchoVideo via Blackboard and Canvas to gather and analyze requirements.

**System Engineer**                                                        *August 2020 – July 2022*
JGETX Food Distribution and Restaurant Equipment                                 Houston, Texas

  Utilized Java and ElectronJS to design and implement an inventory management system for tracking small parts used in restaurant repairs and setups, enhancing operational efficiency.

  Managed end-to-end technical setups for restaurants, encompassing software installation, onboarding clients onto delivery applications, and website development using ReactJS, ensuring seamless integration of digital solutions to enhance restaurant operations and customer experience.

  Delivered continued technical support to clients, proficiently resolving both hardware and software issues, including troubleshooting Broaster Pressure fryers.

## Projects

**Naive Bayes Sentiment Analysis**
PyCharm, Flask, React, Typescript

— Developed an application to analyze tweet sentiment based on user queries from Twitter, providing insights into public sentiment trends.
— Trained and deployed a Naive Bayes classification model as a REST API using Flask, enhancing the application's ability to process and interpret sentiment data efficiently.
— Designed and implemented a mobile-friendly user interface to visually present sentiment analysis results, including a graphical breakdown of sentiment trends.

## Education

**Western Governor's University**                                                         *July 2022*
Bachelor of Science in Computer Science