

# Gustavo Buenrostro Jr

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## EDUCATION

### University of Houston

Bachelor of Science, **Computer Science**

Houston, TX

August 2022 - April 2026

#### Relevant Coursework:

- Database Systems, Networking, Fundamentals of Software Engineering, Automata and Computability, Operating Systems, Algorithms and Data Structures, Data Science and Statistical Learning

## PROJECTS EXPERIENCE

### Lead Full-Stack Developer | *Tracksesh*

December 2024 - Present

- Deployed a full-stack application leveraging **PostgreSQL**, **Express.js**, **Node.js**, and **React**, enabling users to track 50-minute study sessions with features such as user authentication, session history, and long-term data retention.
- Utilized **PostgreSQL** to design an efficient relational database schema for storing and querying large volumes of session data, allowing for advanced analytics for instance personalized productivity reports and trend tracking over time.
- Optimized** app performance by employing **Lighthouse** for comprehensive audits, executing best practices for page speed and **accessibility**, resulting in improved load times and overall user experience for all.

### Lead Back-End Developer | *Video Sharing Platform*

September 2024 - Present

- Built a **scalable** video sharing platform leveraging a full stack of **TypeScript**, **Next.js**, **Express.js**, and **Firebase** services to enable users to upload, view, and manage videos seamlessly.
- Designed and implemented cloud infrastructure using **Google Cloud Storage**, **Pub/Sub**, and **Cloud Run** for efficient video storage, trans-coding, and processing, optimizing performance and scalability.
- Streamlined user authentication and app deployment by integrating **Firebase Authentication** for secure sign-in/sign-out and **Docker** for containerizing app, ensuring consistency across environments, faster deployments, and a secure, scalable user experience.

### Lead Front-End Developer | *Todo List Web Application*

August 2024 - September 2024

- Developed a dynamic, responsive to-do list web application using **JavaScript**, **HTML**, and **CSS**, leveraging **Webpack** for efficient module bundling and code splitting.
- Incorporated SOLID principles and ES6+ syntax to ensure clean, maintainable, and scalable code; applied DOM manipulation to manage tasks and update UI in real-time.
- Achieved improved performance and maintainability through modular design and adherence to best practices, resulting in a smoother user experience and easy future enhancements.

## PROFESSIONAL EXPERIENCE

### Pinterest Engage Scholar

September 2023 - August 2024

*Pinterest*

*Remote*

- Participated in monthly workshops led by Pinterest recruiters, gaining insights into industry trends, best practices, and technical innovations to enhance professional growth.
- Networked with Pinterest recruiters and software engineers, fostering valuable connections and gained a deeper understanding of software engineering processes.

## TECHNICAL SKILLS

**Programming:** Python, C++, Java, JavaScript, TypeScript, HTML, CSS, SQL

**Web & Developer Tools:** AWS, GCP, Firebase, Docker, Git, PostgreSQL

**Frameworks & Libraries:** Express.js React, Next.js, Node.Js, Webpack

**Languages:** English, Spanish