

# ANA GARCIA

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## EDUCATION

<b>University of Texas Rio Grande Valley</b> <i>Bachelor of Science in Computer Science - GPA: 3.96</i>	December 2024
<b>South Texas College</b> <i>Associate of Arts in Interdisciplinary Studies</i>	December 2021

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Dart, Java, C++, C#, HTML/CSS, SQL  
**Frameworks/Technologies:** React, React Native, Node.js, Express.js, Flutter, Firebase  
**Developer Tools:** Git, GitHub, Agile Methodology, TDD, Visual Studio

## PROJECTS

**Comments!** | *JavaScript, ReactJS, NodeJS, ExpressJS, Firebase, MongoDB* July 2024 – Present  
*Movie companion web app with timestamp-specific commenting*

- Developed a **full-stack web application** that allows users to leave comments tied to specific movie timestamps, enabling shared viewing experiences.
- Built a responsive **ReactJS frontend** with smooth routing, intuitive UI, and seamless integration with the backend API.
- Implemented a scalable **Node.js/Express.js backend** with RESTful routes for comment management and movie lookups.
- Integrated the **TMDB API** to fetch dynamic movie data and metadata for user browsing and search.
- Utilized **Firebase Authentication** for secure user login and access control.
- Stored user comments and movie data in **MongoDB**, enabling efficient querying and real-time comment display.
- Deployed the app on **Vercel** using serverless backend functions and a global CDN for optimized performance.

**Links:** Demo Link — GitHub Repository

**Folio** | *Flutter, Firebase, Dart* September 2024 – Present  
*Mobile app connecting service-based professionals with local clients*

- Developed robust **authentication and onboarding** processes using Firebase Auth, Firestore, and Storage, ensuring secure user registration and seamless profile creation.
- Implemented **in-app messaging** using Firebase Firestore and Firebase Messaging for real-time communication between professionals and clients.
- Designed and executed **location-based queries** to retrieve and display nearby portfolios based on user location.
- Conducted extensive testing with over **400 unit and widget tests** and approximately **40 integration tests** to ensure the app functioned reliably across all devices.
- Collaborated with a team and a project advisor to achieve the app's goals, delivering core functionality and meeting project expectations.

**Links:** GitHub Repository

**Refri** | *Node.js, Express.js, MongoDB, JWT, FatSecret API* April 2025 – Present  
*Backend for mobile nutrition app for macro tracking and recipe sharing*

- Built secure **user authentication system** with access and refresh tokens using JWT, supporting session management and token rotation.
- Designed and implemented the **MongoDB user schema**, including support for authentication credentials and profile data.
- Integrated **global error handling, logging (winston), and rate limiting middleware** to ensure system stability and prevent abuse.
- Designed scalable backend API architecture for future integrations including macro-based recipe suggestions and inventory tracking.
- Planned support for **FatSecret API integration** to automatically calculate nutritional macros based on user input.

**Links:** GitHub Repository