




Gael Guzman

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EDUCATION

University of Texas Rio Grande Valley, Edinburg, Tx
Bachelors Degree in Computer Science | GPA: 3.88

South Texas College, McAllen, Tx
Associates Degree in Interdisciplinary Studies | GPA: 3.33

PROFESSIONAL EXPERIENCE

University of Texas Rio Grande Valley, *Student Academic Assistant* Aug 2024 – Dec 2024 | Edinburg, Tx

- **Mentored and tutored 40+ students** by helping them **improve** their coding skills in **C++** and reinforced their problem-solving techniques through **hands-on coding exercises**.
- **Assisted in grading 100+ assignments per week**, ensuring timely feedback and **tracking student progress** throughout the semester.

PROJECTS

Budget App, *Android Studio, Java, SQLite*

- Collaborated in a **team of 3** to develop a **budget management mobile application** with full **CRUD** functionality using **SQLite** for efficient data storage and retrieval in **Android Studio**.
- Designed and implemented features such as **expense tracking**, **budget creation**, and **financial reporting**, ensuring a seamless and user-friendly experience.

Funko Pop Tracker, *Flutter, RiverPod, SQLite, NodeJS, Express*

- Developed a **Flutter** app using **RiverPod** for **state management** to display Funko Pop figures.
- Integrated **backend APIs** and **SQLite database** to fetch, store, and manage Funko Pop data.
- Implemented a **Node.js server** with **Express** and **SQLite** to manage data, including **paginated queries** that achieved upwards of a **90% increase** in data **retrieval efficiency**.

Movie Tracker App, *Vite, React.js, JavaScript, Tailwind CSS, Node.js, Supabase, PostgreSQL*

- **Lead a team of 4** in developing a **full-stack web app** using **React.js** for **tracking** movies, **displaying movie** details, playlist **creation**, **managing** friend interactions.
- Integrated **Supabase** for **authentication** and data management while using Node.js to facilitate **database interactions** with Supabase **API endpoints**.
- Designed a **recommender system** for **personalized** movie **recommendations** based on the **watch history** of **users** and their **friends**.

TECHNICAL SKILLS

Languages: Python, Dart, Java, JavaScript, HTML, CSS, SQL, C++

Frameworks & Technologies: React, Node.JS, Express.JS, Flutter, Android Studio, Supabase, SQLite

Developer Tools: Git, GitHub, Vite, Postman, pgAdmin, Jira, Figma