

# Ernesto Gutierrez

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## Skills

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**Languages:** Javascript, Python, SQL, HTML, CSS

**Frameworks and Libraries:** ReactJS, Node.js, Express.js, Flask, Bootstrap, SQLite

**Technologies:** Git, Figma, Amazon S3, MongoDB, MySQL, Microsoft SQL Server

## Experience

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**Merced County** | Programmer Analyst I

Sep 2023 - Present

Merced, CA

- Maintaining a SharePoint site, addressing any implementation or update requests
- Conducting meetings between departments for discussing project details and gaining insight into their needs
- Writing SQL queries to pull necessary data from a Microsoft SQL Server database for generating reports

**Bay Valley Tech** | Software Developer Intern

April 2023 - Sep 2023

Modesto, CA

- Collaborated closely with a team of software developers to design and develop full stack React applications
- Utilized Git for version control and maintaining well-organized code repositories
- Actively participated in agile methods such as daily stand-ups, sprint planning, and team meetings to ensure timely completion of project milestones
- Lead virtual information sessions for new and interested applicants, answering any questions and providing program details

## Projects

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**Music Player** | React.js, Amazon S3, MongoDB, Express.js, Javascript, HTML/ CSS, Bootstrap

- Collaborated in a team of 6 to design and code a music player application
- Utilized the Spotify API for user authentication and to retrieve songs and playlists for displaying to the user
- Developed a REST API for communication between backend and frontend using Express.js
- Integrated Amazon S3 to efficiently store audio files and cover images for songs and playlists
- Implemented MongoDB as the database management system to store and manage user playlists and song data

**Dictionary Dash** | Javascript, HTML/CSS, Node.js, Express.js

- Utilized object-oriented programming to organize game logic and create reusable functions
- Used event handling to listen for user interactions and trigger game actions
- Implemented user score and progress tracking by manipulating the Document Object Model (DOM)
- Developed a backend using Node.js and Express.js and Integrated the WordsAPI

**Hotel Management System** | Python, Flask, SQLite, HTML/CSS, Javascript

- Worked in a team of two to create a full stack web application that is used for managing a large hotel
- Designed and implemented a database schema to store large amount of hotel data
- Created an extensive REST API to provide flexible access to the database
- Wrote and optimized SQL queries to perform various database operations, such as retrieving guest information, updating room reservation status, and generating financial reports

## Education

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**University of California, Merced**

Dec 2021

B.S. Computer Science and Engineering