

# Javier Ramirez Salazar

ramirezj129.com

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## SKILLS




### Experienced:

Python • C++ • MySQL/SQLite •  
Django/FastAPI/Pandas • Qt •  
Unity • Processing • Arduino •  
GitLab - CI/CD

### Familiar:

Java • Linux • JavaScript • HTML •  
CSS • Bootstrap

## LINKS

 [github://ramirezj129](https://github.com/ramirezj129)  
 [linkedin://ramirezj129](https://linkedin://ramirezj129)  
 [website://ramirezj129.com](https://website://ramirezj129.com)

## EDUCATION

### B.S in Computer Science

University of Houston Downtown  
December 2022

## COURSE WORK

Data Structures & Algorithms  
Software Engineering  
Natural Language Processing  
Object-Oriented Programming  
Database Systems  
Operating Systems  
Internet of Things  
Artificial Intelligence

## EXPERIENCE

### UI Replication of School Web Portal - Software Engineer

2022

- Collaborated with a team of 3 to create a user interface that replicates the school's website portal using Qt software, following the SDLC process.
- Utilized Qt Creator, C++, and QML to implement features such as login authentication and account creation.
- Delivered a high-quality and user-friendly school portal that enhanced the user experience for students and improved the efficiency for teachers.

### Restaurant-based RDBMS - Team Member

2021

- Worked with MySQL in a team of 3 to design and develop a restaurant-based RDBMS which helps restaurants manage their menu items, customers, employees, and loyalty program efficiently.
- Created the database, developed database queries, wrote SQL scripts, and tested the system, ensuring that the database was fully functional and met all of our project guidelines.
- Successfully created a functional RDBMS that streamlined restaurant operations, demonstrating effective collaboration, problem-solving, and technical skills

## PERSONAL PROJECTS

### Django E-commerce Website - Javier's E-shop

2023

- Independently developed an e-commerce website using Python, Django, and SQLite showcasing knowledge in full-stack web development.
- Utilized HTML and CSS to design and implement custom website templates, ensuring a visually appealing and user-friendly interface

### REST API - Library

2023

- Designed and developed a REST API using Python FastAPI framework, demonstrating working knowledge in backend web development and RESTful API design principles.
- Utilized SQLAlchemy ORM to interact with a PostgreSQL database, managing data and storage retrieval efficiently.

### Game Development - Space Game

2022

- Designed and developed a 2D video game using Processing showcasing proficiency in object-oriented programming and game development principles.
- Created custom game mechanics, including character movement, enemy behavior and collision detection resulting in engaging/challenging gameplay.
- Showcased video game project in public presentation, conducted play-testing sessions and solicited feedback from users.