

Isaac De La Lama

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github.com/isaacdll23

EDUCATION

Texas State University

B.S. Computer Science

Graduated Dec 2022

San Marcos, TX

Overall GPA: 3.17 / 4.00 | Major GPA: 3.35 / 4.00

Relevant Coursework: Data Structures & Algorithms | Object-Oriented Programming | Software Engineering |

Parallel Programming | Database Management Systems | Systems Security

SOFTWARE PROJECTS

HydroBot

Dec 2020 – Present

- Used Python to develop a private Discord bot with various functionalities.
- Setup and maintain a containerized instance of Microsoft SQL Server to host the databases used for development and production stages of the bot.
- Using stored procedures on the database to simplify the execution of queries in the codebase.
- Used asynchronous functions and coroutines to add functionality to the bot

Cloud Planner

November 2022 - Present

- Created a website using the Flask framework in Python. Live demo can be seen at planner.isaacdelalama.dev
- Setup and maintain PostgreSQL to create the database used for the deployment of the project.
- Used flask-login to implement user proper user authentication and sessions

Mental Disorder Expert System

Jan 2022 - Feb 2022

- Create an inference engine in C++ that provides a diagnosis and treatment for mental disorders.
- Used Forward Chaining method for diagnoses and used Backward Chaining method for treatments stored in a knowledge base

TECHNICAL SKILLS

Languages: Experienced in C++, Python, and JavaScript. Familiar with C# and Java

Other Technologies:

Linux (Debian and Arch) | Git/GitHub | Microsoft SQL Server | PostgreSQL | MySQL | Flask | ASP.NET 6 | Docker | Node.js | Express.js

EMPLOYMENT EXPERIENCE

Geek Squad - Best Buy

July 2021 – Present

Consultation Agent

San Marcos, TX

- Performed software and hardware repairs on 300+ computers running various operating systems.
- Provided clients with quick diagnoses on their systems.
- Consulted with clients about

HONORS & DISTINCTIONS

Dean's List (Spring 2021): Awarded to students with above a 3.5 GPA in a given semester.

Best Team from Texas State (Techsgiving 2020): Highest scoring team as a solo competitor from Texas State in a competitive programming competition hosted by NJIT.