Jovanni Ochoa

📞 : +1 832-576-3775   ✉ : jovanniochoa38@gmail.com   🐙 : jovanniochoa   in : jovanniochoa

Education

Bachelor of Science in Computer Science, Richardson, TX   **August 2019 - Exp 2023**
     - The University of Texas at Dallas - GPA: 3.35

Relevant Coursework

Object Oriented Design	Advanced Algorithm Design & Analysis	Operating System Concepts
Automata Theory	Programming Language Paradigms	Digital Logic and Computer Design
Software engineering	Data Structure & Algorithm Analysis	C C++ in Unix Environment

Projects

Helium Router Heatmap - *Personal Project*   **March 2022 - Present**

- Tracked and mapped Helium routers using Helium and Mapbox API.

- Implemented an optimized router utilization using data science and data-intensive computing.

- Designed and established a user-friendly interface using React and Flask.

Discord Bot - *Personal Project*   **July 2021 - 2022**

- Developed a chat bot in Java using the Discord API to give users information over on campus activities.

- Built a data extraction API to retrieve event information from UTD's web servers.

- Hosted the discord bot on a server with over 200 active users and about 1800 users in total.

Flight Path - *Junior Design*   **May 2021 - July 2021**

- Made a flight path simulator utilizing Dijkstra's shortest path algorithm with real-time data and rates.

- Used iterative backtracking and list data structures to organize flight details.

- Constructed a user-friendly database with GUI components for organizing and sorting data.

Galaxy Invaders: Video Game - *Game Jam Competition*   **August 2020 - 2021**

- Created a video game using Processing.

- Executed creative vision and developed visual effects for the settings of the video game.

- Wrote thorough unit tests to validate a smooth experience and ensure limited bugs.

Resume Website - *Freshman Design*   **August 2019 - 2020**

- Designed a resume website using HTML, CSS, and Javascript to showcase all of my work.

- Provided troubleshooting and remediation for website applications.

- Deployed cross-platform browser plugins to improve the overall experience.

Work Experience

Rockwall Staff / Climbing Trainer - *UREC, Richardson TX*   **May 2021 - Present**

- Instructed students in a responsible manner for rock climbing in beginner to intermediate levels.

- Assessed individual progress and suggested appropriate changes to maintain growth.

- Explained the use of rock climbing equipment prioritizing student safety and well being.

Skills

Languages - Java, HTML, CSS, JavaScript, SQL, C++, C#, LaTex, Assembly language, Prolog, Processing, Python

General Purpose: Full Stack, Front End, Dynamic Programming, Object Oriented Programming, Microsoft Suite

Framework - Node.js, React.js, Anime.js, Bootstraps, Next.js