

Carlos Chasi-Mejia

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EDUCATION

University of Minnesota - Twin Cities

Minneapolis, Minnesota

B.S. in Computer Science

Graduated May 2024

- **Technical GPA:** 3.667 / 4.00
- **Relevant Coursework:** Algorithms and Data Structures, Software Engineering I, Program Design and Development, Intro to Artificial Intelligence, Practice of Database Systems, Intro to Computer Networks

PROJECTS

Drone Delivery Simulation with Real-Time Visualization

October 2023 – December 2023

- Completed as part of Program Design and Development Fall 2023 class project, collaborated with a team of 3 in the development of a real-time simulation system for drone delivery service, allowing users to schedule a package delivery on a 3D environment map.
- Refined existing simulation weekly by implementing software design patterns and adding key features using C++.
- Developed a boating system in the simulation, facilitating seamless package transfers across a river.
- Contributed to the implementation of a notification system, providing users with real-time updates on the delivery status progress, including package pickup, drop-off, and delivery delays.
- Managed a complexity of multi-entity interactions, ensuring smooth transitions of packages between drones, boats, warehouses, and robots.

Spotify Playlist Generator

July 2024

- Developed a web application integrating Flask and React to create personalized Spotify playlists based on user's top 5 most-listened-to-songs.
- Integrated Spotify, OpenAI, and YouTube APIs to enhance user experience by fetching song data, generating detailed descriptions with ChatGPT, and displaying associated YouTube music videos.
- Implemented user authentication and data management on the frontend using React, allowing seamless navigation and interaction.
- Designed and deployed a responsive user interface with React Router for dynamic page navigation and real-time updates.
- Optimized backend API communication in Flask for efficient data processing and interaction with external APIs, ensuring quick and reliable responses.

Sorting-Algorithm Visualizer

August 2024

- Implemented a dynamic sorting visualizer in React, showcasing animations for 9 different sorting algorithms, enhancing the understanding of sorting mechanisms.
- Integrated descriptive headers and explanations for each algorithm, providing users with educational insights as they observe the sorting process.
- Developed a responsive design that ensures seamless user experience across various screen sizes, making the visualizer accessible on multiple devices.
- Enabled interactive user engagement by allowing the generation of new random arrays and the selection of different algorithms.
- Utilized CSS for visual styling, ensuring the visualizer is both functional and aesthetically pleasing.

SKILLS

- **Skills:** Python, Java, JavaScript/TypeScript, HTML/CSS, SQL, C, C++
- **Technologies:** Git/GitHub, PostgreSQL, MySQL
- **Languages:** English and Spanish

WORK EXPERIENCE

Target

Coon Rapids, Minnesota

Service Advocate

August 2021 – August 2024

- Collaborated with team members to achieve store sales goals and maintain a clean and organized environment.
- Handled customer inquiries, complaints, and returns, ensuring a positive shopping experience.
- Resolved customer issues promptly and effectively, escalating complex matters as necessary.