JUAN MIGUEL CRUZ

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🌐 https://jcruz202.github.io/Juan_Cruz_Personal_Portfolio_Website/index.html

Education

University of Illinois in Chicago (UIC)   Expected graduation: May 2025

Bachelor of Science in Computer Science – Software Engineering Concentration | GPA: 3.2

• Extracurricular : Robotics Club (Fall 2021), Campus Outreach (Fall 2021), Ignite mentor (Fall 2022), SHPE Committee Member (Spring 2024)

• Relevant Coursework: Data Structures, Machine Organization, Software Design, Computer Design, Systems Programming, Programming Language Concepts

Technical Skills

Programming Language: Python, C++, C, Java, HTML/CSS, SQL

Certifications: Responsive Web Design (freecodecamp.org)   June 2023

Projects

CTA Database App | Python, SQL   Spring 2024 - Programming Language Concepts

• Built a console-based program with multiple commands that enables the user to look up information about the CTA (Chicago Transit Authority) different stations

• Incorporated a graph that plots the number of riders for a given station, plotting two different stations with their number of riders on a given year, and locating the station with the specified latitude and longitude

Weather App | HTML/CSS, JavaScript   August 2023 - Personal Project

• Designed a weather app using HTML and JavaScript, utilizing the OpenWeathermap API, to look up the weather of any current city

• Allowed the user to pick between seeing the temperature in either Celsius or Fahrenheit

• Retrieved information to display more data, such as the real feel, humidity, and wind speed to the user

Message App | Java   Spring 2023 - Software Design

• Created an app similar to the message app on an iPhone. The app is run by a server socket and allows multiple clients to join and use the app concurrently

• Utilized threading and networking to allow users to be able to send messages to a specific individual or a group message to only specific clients

Tax Return Data | Python   Fall 2021 - Program Design 1

• Accessed multiple data using JSON and CSV including data from the internet and applied some math computation to differentiate tax income of different states

• Included a pie chart and a vertical bar chart to the program for visuals

Experience

UIC SparkHacks Hackathon   February 2024

• Worked and collaborated with a team of five to complete "Green Stations" a themed project about Sustainable Innovation, in less than 24 hours

• Constructed a project aimed at helping students locate different stations that could help reduce the carbon footprint, stations such as EV Charging stations, Bike stations, Recycling stations, and Solar charging stations

• Completed the app with HTML, CSS, and JavaScript. Applied HERE Technologies API to locate the specific locations of the stations