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, Campus Outreach, Ignite mentor   Fall 2021, Fall 2022

• Relevant Coursework: Program Design I & II, Data Structures, Programming Practicum, Machine Organization Foundations of Computing, Languages & Automata, Software Design, Computer Design, Systems Programming

Experience

UIC SparkHacks Hackathon   April 2023

• Worked and collaborated in a team of four to complete a themed project "community resilience" in less than 24 hours. Implemented a renting website for the campus that helps students by lending them an item they need. The website's objective is to help the students save money by allowing them to borrow an item from other students instead of purchasing them. Completed with HTML/CSS and JavaScript.

School Projects

Tax Return Data | Python   Fall 2021

• Accessed multiple data using json and csv including data from the internet and applied some math computation to differentiate tax income of different states. The program also has a pie chart and a vertical bar chart for visuals.

Custom Search Engine | C++   Fall 2022

• Implemented an inverted index to connect the words and the URLs. Made sure that the time complexity did not exceed n^2 for the efficiency of the program. Used an algorithm library for multiple words to work when looked up.

Message App | Java   Spring 2023

• Created an app similar to a message app on an iphone. The app is run by a server and allows multiple numbers of clients to join and use the app concurrently. The users are able to send messages to a specific individual or a group message to only specific clients. This was done through threading and networking.

Personal Projects

Weather App | HTML/CSS, JavaScript   August 2023

• Created a weather app using Html and JavaScript. The weather information is coming from a website called OpenWeathermap API. The app allows you to look up the weather of any city in the world, with options to see the temperature in celsius or in fahrenheit. Did a little bit of calculations to convert the time.

Personal Website | HTML/CSS, JavaScript   July 2023

• Designed a personal portfolio website to list information about myself. Gathered all the projects I made in school and personal projects and listed them on the website. Used javascript for the transition effects, and used multiple html files to have different screens for my projects. Used my knowledge from the responsive web design online course I took over the summer to build my own website.

Technical Skills

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

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

Spoken languages: English, Filipino (Tagalog)