JUAN MIGUEL CRUZ

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

Summary

Highly passionate junior undergrad student in Computer Science with concentration in Software Engineering. Proficient at working effectively in a fast paced, and deadline driven setting. Highly effective at working on multiple projects simultaneously. Seeking for an internship over the summer of 2024. Willing to learn and take on additional responsibilities throughout the internship.

Education

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

Bachelor of Science in Computer Science – Software Engineering Concentration

• Clubs: Robotics Club   Fall 2021
• Leadership Program: Campus Outreach, Ignite mentor   Fall 2021, Fall 2022

Skills

Programming Language: Python, C++, C, Java, HTML/CSS
Certifications: Responsive Web Design (freecodecamp.org)   June 2023
Spoken languages: English, Filipino (Tagalog)

School Programming 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.

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)   August 2023

Created a weather app using Html and JavaScript. The app information is coming from a website called OpenWeathermap API. Did a little bit of calculations to convert the actual time because the given time on the OpenWeathermap is not in hours and minutes. Completed the project with a help of a youtube video.

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 other students by lending them an item they need. The website 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.