

# JUAN MIGUEL CRUZ

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## Summary

Highly passionate junior undergrad student in Computer Science with concentration in Software Engineering. Proficient at working effectively in 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

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## 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
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## Programming Language

- Python, C++, C, Java, HTML/CSS
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## School Programming Projects

- **Tax Return Data (Python)** Fall 2021  
Accessed multiple data using json and csv including data from the internet and did 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 algorithm library for multiple words to work when looked up.
  - **3 Card Poker Game (Java)** Spring 2023  
Created a networked version of the popular casino game 3 card poker. Game is run by a server and allow up to four clients to join and play the game concurrently. Server and clients use the same machine with the server choosing a port on the local host and port number.
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## 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, the project addresses the needs of communities and strengthen their connections.
  - 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.
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## Certifications

- Responsive Web Design (freecodecamp.org) June 2023
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## Spoken languages

- English, Filipino (Tagalog)