

# Roman Moreno Jr.

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## EDUCATION

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### University of Illinois at Chicago (UIC)

Expected: December 2023

*Bachelor of Science, Computer Science*

## TECHNICAL SKILLS

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**Languages:** C/C++, Java, JavaScript, Python, MySQL, F#, Go

**Software/Frameworks:** Git/GitHub, VSCode, Maven, IntelliJ, Homebrew, Jupyter Notebook, Pandas, Linux, React, Express

## EXPERIENCE

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### Brindley Engineering

August 2021 – August 2022

*Structural Engineering Intern*

- Supported reliability engineers in maintenance of structural rehabilitation program, improving system reliability
- Developed Mathcad models for concrete calculations, reducing errors and saving project planning time
- Performed field inspections of structural steel platforms and their connections as part of a plant-wide safety effort
- Assisted in inspections of concrete fire protection systems and provided report summaries to various clients
- Extensively utilized ACI Certification to provide client with quality control services during concrete placements

### Northwestern Memorial Hospital

August 2015 – May 2019

*IT Intern*

- Installed and provided tech support for personal computers and printers, ensuring a smooth workflow for staff
- Successfully troubleshooted and upgraded computer systems, transitioning from Windows XP to Windows 7 for 150+ workstations, improving system performance
- Organized company files using cloud storage applications and created a support system to decrease workload and increase productivity for managers and supervisors

## PROJECTS

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### CTA – L Analysis App, Python, MATPLOTLIB, SQL

- Developed a Python application to retrieve and analyze CTA data from an SQL database
- Leveraged Python, SQL, and Matplotlib to connect to the database, extract ridership data, and generate informative visualizations
- Demonstrated proficiency in Python programming, SQL database management, data analysis, and data visualization through this project.

### HTTP Server, C

- Designed and developed a robust HTTP server in C, proficiently handling GET and POST methods, accompanied by precise HTTP responses including 200 OK and 404 Not Found
- Incorporated advanced functionality enabling users to both write data to the server and retrieve previously saved data, enhancing the server-client interaction
- Effectively demonstrated my deep knowledge of network protocols and data persistence in the context of server-client interactions.