

# Sadeed Rashid

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Buffalo, New York

## EDUCATION

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### University at Buffalo, The State University of New York

*Bachelor of Science in Computer Science*

Buffalo, NY

Expected May 2025

- Relevant Coursework: System Programming, Data Structures, Discrete Structures, Web Development and Programming

## PROJECT EXPERIENCE

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### Theta Tau Fraternity Mobile App Development

October 2023 – November 2023

- Led the front-end development of the Theta Tau fraternity app using React Native and JavaScript, managed task delegation and team meetings.
- Designed dynamic features including a JSON-based information display, secure login, and interactive polling, utilizing PHP and MySQL for backend integration.
- Implemented an innovative Dark Mode, enhancing user experience by allowing theme changes with a single button
- Ensured project success through effective leadership, resulting in a user-friendly, responsive mobile application.

### Theta Tau Mu Gamma: Automated Greenhouse

September 2023 – October 2023

(Moisture Control/Lighting Team Leader)

- Orchestrated and delegated tasks with team members for the creation of a comprehensive water reservoir system, incorporating customizable moisture level settings and an automated water dispensing mechanism triggered by soil moisture level fluctuations.
- Combined a touchscreen display to present information on light status, outdoor weather, time, date, and weekday, leveraging an API via a Wi-Fi card.
- Constructed electrical circuit to power the LED strip and divided work among developers to allow the Greenhouse to synchronize with daylight cycle using a photosensitive sensor.

### Live Messenger

September 2023 – October 2023

- Developed a real-time messaging application in C and Unix, showcasing expertise in low-level programming, system calls, and network communication protocols.
- Designed and implemented a feature-rich chat system, including direct messaging using "@" symbols, demonstrating proficiency in memory management and efficient data handling through pointer manipulation.
- Employed advanced techniques for memory compression and decompression, ensuring optimal performance and resource utilization within the chat application, thereby enhancing the user experience.
- Demonstrated strong problem-solving skills in addressing real-time synchronization challenges to ensure a seamless messaging experience for users.

## EXPERIENCE

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### Citigroup

Buffalo, NY

*Data Entry Specialist*

December 2022 – July 2023

- Entered information into databases as collected upon forms or spreadsheets without error.
- Collected and determined completed of all information before entering data into software programs.
- Completed tasks following privacy guidelines as dictated by state and federal law.

## SKILLS

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- **Languages:** ReactJS, Python, Java, JavaScript, Scala, HTML/CSS, C, C++, Bash

- **Technologies:** MySQL, Git, MongoDB,

- **Developer Tools:** Xpra, IntelliJ, GitHub/GitHub Repositories, Emacs, Visual Studio Code