

# Tala Shraim

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## EDUCATION

**University of Illinois Chicago** – Chicago, IL

Graduation December 2025

**Bachelor of Science in Computer Science, Minor in Business Administration**, GPA: 4.0

Honors & Awards: Dean's List, Presidential Award Program

## SKILLS

- **Programming Languages:** Python, SQL, Java, R, C/C++, F#
- **Frameworks:** MySQL, Git, PySpark, Excel, JavaFX, GDB, Unix, vim, PyMol

## EXPERIENCE

**University of Illinois Chicago - Undergrad Teaching Assistant** | Chicago, IL

August 2023 – Present

- Conducted labs and office hours 4 times per week, guiding over 200 students through challenging course material and debugging sessions, resulting in a 92% passing rate.
- Refined lab assignments on data representation, machine language, memory hierarchy, and processor architecture to enhance clarity and relevance.
- Provided academic and emotional support to students, fostering a positive learning environment and significantly boosting student understanding, engagement, and confidence.

**University of Illinois Chicago - Software Engineering Intern** | Remote

June 2023 – August 2023

- Enhanced the reliability of a schedule optimization program by fixing critical C++ bugs, resulting in a 35% increase in successful outputs and more efficient scheduling solutions.
- Utilized GDB to resolve complex errors, improving program efficiency and accuracy by 15%, contributing to more reliable performance in real-world applications.

**NielsenIQ - Customer Success Intern** | Chicago, IL

May 2023 – June 2023

- Managed a strategic analysis of microsites for NielsenIQ's top 20 clients, resulting in company-wide improvements in user access, efficiency, and enhanced digital strategy and performance.
- Conducted an in-depth analysis of website metrics using Google Analytics, pinpointing critical engagement and access issues that informed actionable insights for optimization.
- Presented key findings, resulting in the successful adoption of Single Sign-On (SSO), which drove a remarkable 30% increase in microsite engagement.

**University of Illinois Chicago - Research Intern** | Chicago, IL

June 2022 – August 2022

- Collaborated in a team of 3 to model the actin and vitamin D binding protein complex, using PyMol to create a high-quality molecular visualization and present key insights on protein binding mechanisms to over 50 professors and students.

## PROJECTS

**Hospital Database Management System**

[GitHub](#)

- Designed an Enhanced Entity-Relationship Diagram and MySQL relational schema to effectively model healthcare data, encompassing patient records and billing processes, enhancing data structure and management.
- Enhanced data retrieval and accuracy in healthcare operations with advanced SQL queries, views, and triggers.

## LEADERSHIP & AFFILIATIONS

**DevChums Student Organization | Project Manager**

August 2024 - Present

- Led the planning and initial development of a web application to centralize office hours across multiple classes, aimed at improving scheduling and communication for students and teaching assistants.
- Managed team responsibilities, set clear milestones, and ensured efficient coordination and communication to keep the project on track.

**Break Through Tech Chicago | Member**

August 2022 - Present

- Participated in workshops focused on increasing diversity in tech, contributing to discussions and initiatives aimed at supporting underrepresented groups in the field.
- Engaged in networking events, connecting with industry professionals and sharing insights on technology trends and career pathways.