

# Zainab Memon

Zainab05Memon@gmail.com | (908) 305-7917 | linkedin.com/in/zainabmmemon/

## EDUCATION

### University of Illinois at Urbana-Champaign

*Expected Graduation: May 2027*

- Bachelor of Science in Computer Engineering, Minor in Mathematics *GPA: 3.54*
- Honors: GFX Projects Scholar (Jul. 2023), James Scholar (Jan. 2024)
- Course Work: Computer Systems Programming, Algorithms & Models of Computation, Number Theory, Probability with Engineering Applications, Data Structures, Discrete Structures, Digital Systems Laboratory

## PROFESSIONAL EXPERIENCE

### Girls Who Code

*Remote*

#### Lead Teaching Assistant

*Jun. 2025 – Aug. 2025*

- Led a team of TAs to deliver instruction to 100+ students & ensured timely lesson execution and student engagement

#### Teaching Assistant

*May 2024 – Aug. 2024*

- Mentored 30+ students and delivered JavaScript lessons to 200 students across 3 Summer Immersion Program rounds
- Provided live-debugging support for 60+ hours via Zoom and Discord & monitored student progress and attendance

### UIUC Computer Science Department

*Champaign, Illinois*

#### Introduction to Computer Science I (CS 124) Course Staff

*Jan. 2023 – Dec. 2023*

- Developed Java walkthrough videos for homework problems & trained course assistants to support 500+ students
- Aided students in person and on the help site for homework problems/machine projects, & answered forum questions

### Illinois Geometry Lab

*Champaign, Illinois*

#### Summer Research Intern

*Jun. 2022 – Jul. 2022*

- Researched expression of natural numbers as the sum of four squared integers & authored findings in a 9-page report
- Developed Python programs to represent generalizations such as Waring's problem and Quadratic forms

## CAMPUS INVOLVEMENT

### Electrical and Computer Engineering Student Advancement Committee

*Champaign, Illinois*

#### Publicity Chair, Academic Affairs Team Member

*Aug. 2024 – Present*

- Built light-activated car circuits using photoresistors, engaging 1,000+ visitors via interactive demonstrations
- Designed promotional materials and managed the organization's website to boost event visibility and outreach
- Coordinated events such as the departmental townhall, Technical Electives Fair, and Research Fair

### Illinois Student Council

*Champaign, Illinois*

#### Vice Chair of Environmental Sustainability Committee

*Apr. 2025 – Present*

- Launched a contact lens recycling program, supported committee operations including logistics & attendance tracking

#### Grainger Student Representative

*Apr. 2024 – Present*

- Liaison between engineering students and administration, advocating for student needs and policy improvements
- Organized civic engagement campaigns, including voter registration tabling and student experience panels

### Illinois Solar Decathlon

*Champaign, Illinois*

#### Lighting, Applications, and Home Automation Team

*Aug. 2024 – Present*

- Built a cross-platform mobile app using React Native, JavaScript, and Expo to automate home lighting and visualize household energy usage

#### Concept Team

*Aug. 2023 – Aug. 2024*

- Modeled a town hall for Rantoul, IL using Autodesk Revit & presented strategies on energy optimization and lighting

### Muslim Tech Collaborative

*Champaign, Illinois*

#### Project/Website Developer

*Feb. 2025 – Mar. 2025*

- Built and deployed a responsive campaign website for a Champaign Unit 4 School Board Member
- Designed mobile-friendly HTML/CSS layouts and integrated local voting resources to support civic engagement

### Independent Study

*Champaign, Illinois*

#### Beverage Can Cover Design and Production

*Jan. 2024 – Present*

- Conducted user surveys and interviews to gather insights on consumer preferences, needs, and market value
- Created design iterations in Autodesk Fusion 360, focusing on functionality, aesthetics, and manufacturing feasibility

## CERTIFICATES AND SKILLS

### Illinois Leadership Certificate

*Nov. 2025*

### IC3 Digital Literacy Certificate

*Dec. 2019*

**Technical Skills:** C, C++, Java, JavaScript, HTML, CSS, LaTeX, Python, AMD Vivado, Autodesk Fusion 360, Autodesk Revit