

Zainab Memon

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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

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) Associate

Jun. 2023 – Dec. 2023

- Developed Java walkthrough videos for homework problems & trained course assistants to support 500+ students

Introduction to Computer Science I (CS 124) Assistant

Jan. 2023 – Jun. 2023

- 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

Aug. 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

- Designed a new net-zero home in Rantoul, IL, currently in the schematic design phase
- Developed an app integrating sustainable lighting solutions & home automation systems to optimize energy efficiency

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