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, Data Structures

PROFESSIONAL EXPERIENCE

Girls Who Code *Remote*
Lead Teaching Assistant *Jun. 2025 – Present*
- Led a team of TAs to deliver instruction to 150+ 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 60+ hours of live-debugging support 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*
- Recorded Java walkthrough videos for homework problems; trained course assistants to support 500+ students
- Provided in-person & online support for homework & machine projects; answered forum questions & debugged code

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

PROJECTS

Home Automation App *Champaign, Illinois*
Illinois Solar Decathlon *Aug. 2024 – Present*
- Developed a smart home lighting control app using React Native, JavaScript, and Expo; visualizes real-time energy consumption and supports remote automation

AcademiCal *Champaign, Illinois*
Chief Technology Officer *Jan. 2025 – Present*
- Created SvelteKit web app that parses course syllabi, .ics, & spreadsheets to auto-generate personalized calendar files
- Improved student deadline tracking and management by extracting key dates and integrating with Google Calendar

Leadership Certificate Website *Champaign, Illinois*
Illinois Leadership Center *May 2025 – Present*
- Designed & published a responsive site using HTML/CSS/JS to document leadership development & personal growth

Fatima4Unit4 – Campaign Website *Champaign, Illinois*
Muslim Tech Collaborative *Feb. 2025 – Mar. 2025*
- Engineered and deployed a mobile-first campaign site with voter registration tools using HTML/CSS
- Promoted civic engagement by integrating ballot access information for the Champaign Unit 4 district

CAMPUS INVOLVEMENT

Electrical and Computer Engineering Student Advancement Committee *Champaign, Illinois*
Publicity Chair, Academic Affairs Team Member *Aug. 2024 – Present*
- Designed promotional content, migrated and updated content to new website, and grew Instagram following by 19.4%
- Organized department-wide events and led circuit demos that engaged 1,000+ visitors during outreach initiatives

Illinois Student Council *Champaign, Illinois*
Vice Chair of Environmental Sustainability Committee *Apr. 2025 – Present*
- Launched a contact lens recycling initiative and helped expand sustainable practices across campus
- Led committee operations including agenda setting, logistics coordination, and attendance tracking

Grainger Student Representative *Apr. 2024 – Present*
- Represented engineering students in college-wide forums; led civic engagement efforts, including voter registration

CERTIFICATES AND SKILLS

Illinois Leadership Certificate *Nov. 2025*
Zscaler Fundamentals of Cybersecurity (EDU-102) *Jul. 2025*
Technical Skills: C, C++, Java, JavaScript, HTML, CSS, LaTeX, Python, AMD Vivado, Autodesk Fusion 360, Autodesk Revit