

Ugonna Akali

312-420-5286 | ugonnaakali2024@u.northwestern.edu | <https://www.linkedin.com/in/ugonna-akali/>

EDUCATION

Northwestern University | Cumulative GPA 3.52 Evanston, IL
Bachelor of Science in Computer Science | Kellogg Undergraduate Certificate in Managerial Analytics June 2024
Relevant Coursework: Data Structures and Algorithms, Intro to Artificial Intelligence, Intro to Web Development, Human Computer Interaction (*In-progress*), Game Design and Development (*In-progress*).

TECHNICAL SKILLS

Programming Languages: Python, C/ C++, C#, HTML, CSS, JavaScript, Android (Java), SQL.
Software: Visual Studio, MATLAB, Android Studios, Unity, CLion, Drracket, React, Git, Jupyter Notebook.

PROFESSIONAL EXPERIENCE

Northwestern University | *Teaching Assistant* | Evanston, IL September 2022-Present

- Assist students in university course, Fundamentals of Computer Programming I, with over 350 students in problem solving and debugging during weekly tutorials sessions and office hours.
- Explain data structure concepts and other misunderstood concepts to keep students motivated which brought about an improvement in homework responses.

Northwestern University Student Affairs IT | *Technical Support Consultant* | Evanston, IL September 2021-Present

- Diagnose successfully and resolve hardware and software issues on university staff and student's workstations and servers.
- Handle support tickets, with hardware and software vendors by evaluating and determining root cause of issues through collaboration with internal and external technical support to ensure optimum problem resolution.

Microsoft | *New Technologist Intern (Cyborg Mobile)* | Redmond, WA June 2022-August 2022

- Worked within a team of five to create a web app that empowers and encourages college students to foster communities and get in the habit of goal setting in order to facilitate personal and community growth.
- Conducted user research, wrote technical specifications and project timeline for the app.
- Developed project logic, user interface and prototype of the app using HTML, CSS, JavaScript and agile software development practices.

PROJECTS

IEEE | *Team Member, Hardware Team* | Evanston, IL December 2021-April 2021

- Collaborated with a four-person team to design, program and develop a semi-autonomous car that would perform object detection and image classification on road signs and adhere as needed.
- Designed circuit system and function of the car through the interconnection of primary microcontroller, Arduino and motors working in conjunction with secondary microcontroller, Raspberry PI.

Lower-Extremity Weight Bearing Device Project | *Team Lead* | Evanston, IL September 2020-December 2020

- Partnered with a Cancer Rehabilitation Specialist at Shirley Ryan AbilityLab to build a device that will enable specialists to quantitatively assess how much weight patients are bearing in lower extremities while engaging in mobile tasks.
- Motivated and led a team of 4 to design and produce a wireless, portable and adjustable sandal embedded with pressure sensors under a budget of \$100.
- Acquired skills in user-centered product design, team management, team building and communication.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow (MLT) | Washington, DC February 2022 - Present
Career Preparation Fellow

- Selected among thousands of high achieving applicants to participate in this Career Preparation program focused on professional and leadership development.
- Complete business case studies and assignments to grow leadership and technical skills.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target,

Society of Women Engineers | *Publicity Committee Member* | Evanston, IL October 2020-Present

- Played an essential role in advertising upcoming events that bring women in STEM together to appropriate organizations and individuals through poster and merchandise design.
- Took responsibility over the coordination and distribution of club materials to interested public and managed income received.