

# Khadijat Kokumo

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## Education

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**Northwestern University**, Evanston, IL  
Bachelor of Science in **Biomedical Engineering**, Anticipated June 2024  
Minor in **Computer Science**  
Cumulative GPA: **3.740/4.000**

## Involvements

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**National Society of Black Engineers**, Evanston, Illinois  
*Vice President*, March 2022 - Present

- Discuss programming and sponsorship events with the President
- Coordinate and oversee the NSBE Junior Executive Board
- Work with other Board members to ensure NSBE is running smoothly.

**Northwestern Second Year Advisory Board**, Evanston, Illinois  
*Leadership Team*, November 2021 - Present

- Work with other members to discuss how to connect second-year students with each other.
- Coordinate with administration to plan events targeted towards the inclusion of second-year students.

**Northwestern Women's Basketball Team**, Evanston, Illinois  
*Head Manager*, September 2021 - Present

- Assist the team and coaching staff during practices and games.
- Perform administrative duties such as setting up the film and preparing for game days.

## Experience

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**PULSE Lab**, Baltimore, Maryland  
*REU Student*, June 2022 - August 2022

- Investigated the usage of harmonic coherence-based imaging to create breast images
- Developed the theoretical basis for solid and fluid mass distinction in breast ultrasonic imaging.
- Experimentally validated observed trends in theoretical data to propose clinical implications.

**SeNSE Lab**, Evanston, Illinois  
*Research Assistant*, December 2021 - June 2022

- Devised ways to understand and visualize the biomechanics of seal whiskers.
- Prototyped different mechanisms to 3D scan hydrated seal whiskers in order to surface their structure.
- Worked to create a sensory device similar to that of a whisker.

**Design, Thinking, and Communication Course**, Evanston, Illinois  
*Client: Great Lakes Adaptive Sports Association*, January 2021 - March 2021

- Designed and prototyped a barrier to allow athletes with disabilities a way to exercise while protecting them from coronavirus.
- Acted as team leader to manage the prototyping and report of the final design.

## Skills

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**Microsoft Specialist**: Word, Word Expert, Excel  
Proficient in **MATLAB**, **Racket**, **Python**, and **C/C++**  
Intermediate in **Mandarin Chinese** and **American Sign Language**