

# Rayhan Mohammed

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## Education

### Albert Dorman Honors College, New Jersey Institute of Technology - Newark, NJ

Sept 2022-Present

Expected Graduation: December 2025

Double Major, Bachelor of Science in Computer Science and Bachelor of Science in Applied Mathematics

Awards: Dean's List (Fall 2022, Spring 2023, Fall 2023)

Activities: NJIT Honors Ambassador, NJIT Kids Who Code

## Experience

### Research Assistant

#### NJIT Visual Perception Laboratory - Newark, NJ

Oct 2023-Present

- Collaborated with a team of researchers to study the peripheral vision and coordination of video game players.
- Developed and fine-tuned Python and MATLAB code to efficiently orchestrate experiments and streamline data collection procedures.
- Employed Python and R for comprehensive data analysis, uncovering valuable insights from experimental results.
- Operated eye-tracking equipment to capture experimental data, shedding light on the peripheral vision and coordination of video game players.

## Projects ([Github Profile Link](#))

### To-Do List Site

Personal Project: Nov 2023-Present [Github](#)

- Includes mechanisms to add and remove tasks, count completed tasks, and move tasks up and down.
- Utilizes Javascript, React-Bootstrap, Node.js, Express.js

### OpenAI Budget Analyzer/Advisor

Personal Project: Nov 2023-Present [Github](#)

- Reads an excel spreadsheet to OpenAI and uses the context to provide advice based on a user-generated prompt in a streamlit app.
- Utilizes Python, pandas, streamlit, and OpenAI.

## Skills and Certifications

### Technical Languages + Tools

- Java, Javascript, React, Bootstrap, REST APIs, Node, Python, C++, SQL, R, MATLAB, MS Office Tools

### Certifications

- CITI: Responsible Conduct of Research, CITI: Social and Behavioral Research

### Relevant Coursework

- Data Structures + Algorithms, Intro to Object Oriented Programming (Java), Database Design and Management(in progress), Differential Equations, Linear Algebra(in progress), Calculus III(in progress), Probability + Statistics, Discrete Mathematics (in progress), Intro to Information Systems