Omar Waseem, 89 Browning Terr, Old Bridge, NJ, Phone: 609-787-6019, Email: omw11@scarletmail.rutgers.edu

Education

Bachelor of Science in Computer Science - Rutgers University, New Brunswick, NJ - Graduation: 05/2025
Associate Degree in Computer Science - Middlesex Community College, Edison, NJ – 09/2021 to 05/2023

Relative Course Work

- Intro to Comp Sci Using Java
- Obj-Oriented Prog Using Java
- Computer Organization and Arch
- Discrete Mathematics
- Linear Algebra
- Data Structures in Java

Transcript Link: https://github.com/OWaseem/Transcript/blob/main/Waseem_Omar_1182416_11_2_2023%20(1).pdf

Languages and Tools

- Java (JDK Version 19.0.1), Python (Version 3.8.6), HTML, C (GCC version 11.4.0)

Experience

Python Web Application Project:

- As a part of my self-learning Python, I have created an application that accomplished three main features
    - Data visualization and analysis
    - Plots/Charts pertaining to each column of data
    - Predictions made for each column of data

GitHub Repository Source: https://github.com/OWaseem/Cars_Analysis

Java Data Structure:

- Created a bounded queue which accepted an Array List constructor and passed it through different methods.
- Tested said queue into accepting a method of the user's choice, and then applied it to the queue.
- GitHub Repository Link: https://github.com/OWaseem/ArrayBoundedQueue

C Memory Allocation and Deallocation

- Created a program that creates a dynamic memory allocator to allocated memory and then deallocate after use.
- Created 3 additional test cases to ensure my malloc (memory allocate) and free (memory deallocate) is in correct use.
- GitHub Repository Link: https://github.com/OWaseem/MyLittleMalloc

Community Service

Boy Scouts - Scout Rank to Eagle Rank from 2016 to 2021

- Volunteered for service projects in non-profit organizations, including repairing hiking trails, participating in parking renovation at mosque, and building face shields for paramedics during the COVID-19 pandemic.
- Designed an Inventory Management System for the Office of Emergency and Response Team of Old Bridge Township to improve emergency response time for the team. The system includes features like Single Point Data Entry, Time-in, Time-out logs, and Data Backup to prevent data loss.

Eagle Scout Rank Certificates GitHub Link: https://github.com/OWaseem/Eagle-Scout-Rank-Certificates

Collaborator with Students in Action:

- Worked in this organization with fellow students for the entirety of high school to help better the community.
- Held soup kitchens on a weekly basis in a church near the school where rice, chicken, and salads were made to serve the elderly.
- Led a volunteer service for a non-plastic bag giveaway where non-plastic bags were handed out to students, teachers, parents, and anyone neighboring the area of the school.