

# Joshua Omeili

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## TECHNICAL SKILLS

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**Languages:** Java (4 years+), C++ (2 years+)

**Software:** Github (2 years+), TCP/IP (1 year+),

## EDUCATION

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**Bachelor of Science in Computer Science** | Towson University, Towson, MD

**May 2023**

### Relevant Coursework

**Data Communication and Networking:** Network architecture and protocols, data communications, LANs and cellular networks, forwarding and routing, TCP/IP suite, network programming and packet analysis.

**Software Engineering:** Methodology of designing and programming for a wide area of applications with a high degree of modifiability, efficiency, reliability, and understanding

**Object Oriented Programming:** Introduction to object-oriented design and programming technology (OOD/OOP). Main phases in object-oriented design and techniques in object-oriented programming. Programming language design and implementation issues for object-oriented languages

**Web-Based Programming:** Applications executing on a client-server system, emphasizing client side. Technologies include HTTP protocol, dynamic HTML, server-side programming, and client-side JavaScript libraries & frameworks.

## PROJECTS

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**TCP Group Chat** | *Java, TCP/IP, VSCode,*

**December 2022**

- Worked in a group of three to develop a computer program in Java that enables users to communicate with other users through a TCP server

**Towson Park Swap** | *Swift, Github, VSCode, Auth0, SwiftUI*

**December 2022**

- Worked in a group of five to develop an iOS app with the ability to reserve parking on Towson's campus

**Brickbreaker** | *Java, VSCode*

**July 2021**

- Utilized Java Swing to develop a Brickbreaker game where the player bounces a ball off of a moving platform in order to destroy bricks. The game has been won when all the bricks have been destroyed

## WORK EXPERIENCE

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**Community Center Assistant,** *Towson University, Towson, MD*

**August 2022-Present**

- Sits at front desk and monitors the entrance of university residents into the dorm building
- Check guests into the building by verifying ID cards and entering credentials into the database
- Log in/out packages delivered to residents

**Food Service Utility,** *Towson University/Chartwells, Towson, MD*

**January 2020-May 2022**

- Maintained the cleanliness of plates, pots, and pans
- Accomplished other custodial duties.

## MEMBERSHIPS/AFFILIATIONS

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**Software Engineering Club** *Member*

**April 2022-Present**

Towson University, Towson, MD

**Kama Moja Mentor/Mentee Program,** *Mentor*

**September 2021-August 2022**

Towson University, Towson, MD

**African Diaspora Club,** *Member*

**September 2019- Present**

Towson University, Towson, MD