

Omar Siddiqui

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SUMMARY

Student studying computer science and applied mathematics eager to gain real world experience in the tech industry. Open to all areas of computer science, with a specific interest in software development.

EDUCATION

New Jersey Institute of Technology - Ying Wu College of Computing

Newark, NJ

B.S. in Computer Science

Expected May 2026

B.S. in Mathematical Sciences, Applied Mathematics

GPA: 3.597

Relevant Coursework: Guided Design in Software Engineering, Database System Design and Management, Intensive Programming in Linux, Advanced Data Structures and Algorithm Design

PROJECTS

Stardewdle - Wordle-like Game | stardewdle.com | *Backend Engineer* | AWS, Python

- Designed and deployed a serverless backend architecture on AWS to power a daily guessing game inspired by Wordle using data from the hit game Stardew Valley
- Built RESTful APIs with Lambda and API Gateway for daily word generation, guess validation, and game state persistence in DynamoDB
- Implemented scripts with BeautifulSoup to scrape data from public pages to host on Amazon S3

Mediline - Healthcare Portal | www.mediline-njit.com | *Frontend Engineer* | React, Flask, MySQL

- Developed a reusable UI library with role-based dashboards for patients, doctors, and pharmacies
- Integrated RESTful Flask APIs via Axios and React Query to handle user actions
- Implemented JWT-based authentication across patient, doctor, and pharmacy roles
- Created real-time features like modals, filtering, and chat via WebSockets
- Deployed MVP for demo use with frontend hosted on Azure and backend on GCP

Sakila Films - Rental Management System | *Fullstack Engineer* | React, Flask, MySQL

- Built CRUD interfaces for managing movie inventory, rentals, and customers
- Developed backend endpoints for stock validation, rental creation, and customer histories

Other Projects: SPL Language Interpreter (C++), 15 Puzzle Solver (C), Stock Web Scraper (Python)

EXPERIENCE

International Game Developers Association, NJIT

Newark, NJ

Member

September 2022 - present

- Participate in game jams that encourage clear outlining, effective time management, streamlined prototyping, creativity, problem solving done through code, and cooperation with others

MenteeGo Education

Rutherford, NJ

Tutor for Math and CS

February 2022 - present

- Collaborate with other tutors to outline adaptive curriculums tailored for students
 - Manage time and priorities of tasks for tutors and students into an optimized schedule
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SKILLS and CERTIFICATES

Programming Languages: JavaScript, Python, Java, C++, C, Bash

Web Development: React, Flask, Axios, SASS, HTML, CSS, WebSockets, REST APIs

Platforms & Databases: AWS, Google Cloud, MySQL, DynamoDB, SQL

Tools & Workflow: Git, JWT, Postman, MVVM, BeautifulSoup, Figma, Trello, Microsoft Office

Certificates: AWS Certified Cloud Practitioner (May 2025)