Mickey J Shamah

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EDUCATION

New York University - Tandon School of Engineering   *Brooklyn, NY*
Bachelor of Science in Computer Engineering, Minor in Data Science   May 2025
GPA 3.7/ Dean's List

Summer STEM at The Cooper Union   *New York, NY*
Concentration: *Computer Engineering and Robotics*   May 2021

EXPERIENCE

NYU Tandon Urban Food Lab   *Brooklyn, NY*
Member   September 2022 - Present
- Collected samples from the agriculture system and the fish tank on a weekly basis.
- Developed an automated system to collect and analyze real-time data in the farm.

Blue Ocean Family Partners   *Long Branch, NJ*
Intern   August-November 2020
- Researched start-up firms in the technology sector.
- Conducted informational interviews with executives to gain insight about their organization.

PROJECTS

Snake Game

- Created a snake game in Python using the Pygame module and graphed the users' performance using the Matplotlib library.
- Developed a neural network using the Torch library that allowed the model to automatically make decisions.

Spicy Grinder (Product)

- Part of a team that designed, coded and built an automated spice grinder to assist arthritic individuals.
- Wrote a program which displayed the contents and usage on a display board.
- The project received the Faculty award for outstanding design and functionality.

Fantasy Football Drafting software

- Designed and implemented a Fantasy football drafting and prediction software using Python, Python Graphic User Interfaces (PyQt), and predictive modeling.
- Compiled, established, and processed hundreds of data points from previous seasons (using SQL) to demonstrate the model's accuracy.

SKILLS

Programming Languages/ Technologies: Python, JavaScript, HTML, CSS, React, PyQt, SQL, Verilog

Languages: English (Native), Hebrew (Intermediate), Spanish (Intermediate)