

Rana Mohamed

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Education

NYU Tandon School of Engineering- Brooklyn, New York

Expected Graduation: May 2023

Bachelor of Science in Mechanical Engineering

Midwood High School- Brooklyn, New York

September 2015- June 2019

· GPA: 4.0

Experience

Clarks

Sales Professional

July 2019-Present

- Generates \$2k in sales a day
- Assists up to four customers at a time and utilizes sales tactics to gauge customer needs to establish personalized sales experiences and drive revenue
- Recommends additional products unique to customers to encourage larger sales

NYU Tandon School of Engineering

Research Intern

July 2017- Present

- Developing working prototype of an actuated passive walker to conduct energy expenditure experiments
- Competed in many competitions and received honors such as the Yale Science and Engineering Award, the Naval Science Award, Competed at National competitions and placed first in several competitions

NYC Says Enough

Co-head of Information Technology

May 2018-May 2019

- Developed and designed website using Github (nycsaysenough.org) alongside Co-head and tech department
- Worked along side leadership board for smooth workflow and to integrate departments into one organization

Girls Who Code

Summer Immersion participant

July 2018- August 2018

- Learned Python, JavaScript, CSS, HTML, Arduino to create apps, websites and program robots.
- Re-developed Shock prototype and worked with a partner to develop an app software compatible with Shock that displays and monitors phone screen time

NYU Tandon School of Engineering

ARISE (Applied Research Innovations in Science and Engineering)

July 2017- August 2017

- Researched how the energy consumption of a two-degree of freedom robotic arm can be decrease with regards to frequency and voltage

CrEST (Creativity in Engineering, Science, and Technology)

July 2016-August 2016

- Learned to apply mechanical systems and electronics to design and build interactive devices
- Developed prototypes of a wearable bracelet and phone case (Shock) that monitor screen time on one's phone with the use of capacitive sensors, Wi-Fi shields and Bluetooth modules

Extracurriculars

Robotics Team

Captain

September 2018- April 2019

- Led a team of students throughout the robotics season for competitions in the FIRST Tech Challenge
- Worked with team to successful build and program a competitive robot
- Honors received throughout the season: 2x winning alliance, finalist alliance, the Inspire award and the Think award

SING

Overall Commissioner

September 2018- February 2019

- Worked with the three productions to create playbook and shirts that reflect upon the themes of the shows
- Mentored younger students on leadership, play writing and production functions
- Critiqued and provided advice on how each show can be improved throughout dress rehearsals

Director

September 2015- February 2018

- Worked alongside leadership board to integrate the many functions of the production into one show
- Mentored actors in acting and articulation skills by using theater warm-ups and techniques
- Worked along side play writer to modify and create roles for actors who auditioned for the production

Skills

Languages: Fluent in Arabic

Software: Arduino, AutoCAD, CSS, Cura, Fritzing, Fusion 360, Github, HTML, Illustrator, Inventor, Java, MATLAB, Microsoft (Word, PowerPoint, Excel), Photoshop, PTC Creo, Python, RobotC, Slack