

Maliha Sara

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EDUCATION

New York University

May 2028

Bachelors of Science in Electrical and Computer Engineering

- GPA: 4.0 | Minor: Math
- Activities & Awards: MSA, BSA, NYU CHEFs, Romanelli Scholarship Recipient for Class of 2028

PROFESSIONAL EXPERIENCE

Consolidated Edison

Jul 2024 - Present | New York, NY

SCADA Intern

- Built PI Vision dashboards to monitor manhole and substation equipment statuses using real-time data
- Created PI tags from analog and status point CSVs to integrate Network Protector data into PI Vision
- Analyzed voltage, current, and VFI switch trends across substations using PI Vision graphing tools
- Programmed modems for SCADA connectivity and used eGIS ArcFM to analyze poles and M&S plates
- Led a new intern cohort, assigning tasks and guiding project execution under manager supervision

Consolidated Edison

Jun 2023 - Jun 2024 | New York, NY

Engineering Aide Intern

- Tracked and verified invoices related to poles and manholes, ensuring data alignment using Google Earth
- Developed diagrams and PowerPoints explaining Brownsville Battery Storage and substation protection
- Gained proficiency in reading Feeder Maps, M&S Plates, Conduit Plates, and Manhole Details
- Presented on SCADA systems and team impact to Distribution Engineering and Overhead Planning teams
- Supported both SCADA and Overhead and Planning teams in technical and schematic review work

Bobby Tariq - Tutoring Center

Jun 2022 - Jun 2023 | New York, NY

Instructor

- Taught group classes in Algebra I/II, Geometry, AP Calc BC, SAT Math/English, Biology, and Chemistry
- Delivered lectures and facilitated collaborative group work to reinforce key concepts
- Assigned and graded weekly homework to monitor progress and support improvement
- Communicated weekly with parents to provide personalized updates on student performance
- Prepared students for Regents, unit tests, and SATs, fostering academic growth and independence

PROJECTS

2048 Replica

- Developed the game using JavaScript, HTML, and CSS, featuring smooth animations and a responsive UI
- Utilized local storage, project decomposition, and higher-order programming to create modular game logic

Remote Control Car

- Designed and built a Bluetooth RC car using Arduino, Raspberry Pi, C++, soldering and 3D-printing
- Modeled custom circuits and made components in AutoDesk Inventor, assembling a multi-layered chassis

SKILLS

Programming (Python, Javascript, HTML/ CSS, G & M code, Arduino, Raspberry Pi)

Technologies (AutoDesk Inventor, Fusion 360, Git/ Github, ArcFM, PI Vision, Excel, Microsoft/ Google Suite)

CERTIFICATES

OSHA - General Industry | Autodesk Certified User - Inventor | NOCTI - Workplace Competency Credential

ORGANIZATIONS

Society of Women Engineers | National Honor Society | American Red Cross