

Abdulrahman Qureshi

929-387-0810 | aq2073@nyu.edu | linkedin.com/in/abdulrahman-qureshi | abdulq.com

SUMMARY

Multidisciplinary NYU student passionate about building interactive, impactful experiences through AR, embedded systems, and thoughtful design. Experienced in full-stack prototyping, physical computing, and presenting work in both academic and creative contexts.

EDUCATION

New York University

Bachelor of Science in Integrated Design and Media

New York, NY

Sep. 2022 – May 2026

PROJECTS

Squirtle Spray

Independent Project

Jan. 2025 – Mar. 2025

New York, NY

- Built a motion-activated Squirtle toy that sprays water using Raspberry Pi, OpenCV, and a 12V pump system.
- Integrated Python-based computer vision with relay-controlled hardware for real-time interaction.

PowerElla

NYU Tandon Prototyping Fund

Sept. 2024 – Dec. 2024

New York, NY

- Designed a triboelectric nanogenerator umbrella using PDMS and PTFE to harvest energy from rain and wind.
- Built and tested a functional prototype with integrated supercapacitor storage.
- Presented at NYU showcase; recognized for innovation in sustainable energy.

GestureAR

Independent Project

Jan. 2024 – Feb. 2024

New York, NY

- Created an AR-enabled device overlaying virtual glasses on faces using OpenCV and facial landmarks.
- Enabled gesture-controlled LED feedback through Raspberry Pi integration.

O.S.M.D.

Independent Project

Dec. 2023 – Jan. 2024

New York, NY

- Developed a math-solving device using Pi Camera and MathPix API for real-time equation recognition.
- Displayed solutions on LCD using Python, OpenCV, and RPIO.GPIO.

Hermes Lens

NYU General Engineering Final Project

Jan. 2023 – May 2023

New York, NY

- Created a live translation device with OCR using Pytesseract and OpenCV.
- Awarded the 2023 Gunter Georgi Award for Outstanding General Engineering Design.

EXPERIENCE

Dream Studios Collective — Co-director

New York, NY

Mar. 2024 – Jun. 2024

- Led operations and technology across interdisciplinary creative projects.
- Reduced exhibition costs by 29% through strategic resource planning.

ICNA Summer School — Secretary

Queens, NY

Jul. 2023 – Present

- Managed attendance systems for 90+ students and led Islamic studies sessions.
- Boosted engagement and implemented streamlined record-keeping tools.

United Talent Agency (UTA) — IT Intern

Remote

Jul. 2022 – Aug. 2022

- Interned with a focus on Azure, Windows VMs, GitHub, and Netlify deployment.
- Built confidence presenting technical topics using Google Slides.

MakerState STEAM Labs — SYEP Intern

New York, NY

Jul. 2022 – Aug. 2022

- Led workshops in TinkerCAD, Arduino, and Roblox Studio for youth education.
- Designed learning experiences aligned with NYC DOE STEAM standards.

SKILLS

Languages: Python, JavaScript, HTML/CSS

Frameworks/Libraries: React, Node.js, Material-UI, P5.js, OpenCV, Flask

Tools: Git, Azure, Netlify, Replit

Prototyping/Design: Fusion 360, Cura, Blender, Adobe Suite (Premiere, Illustrator, Photoshop, InDesign), Lens Studio, Reaper

Soft Skills: Project Planning, Budgeting, Communication, Team Collaboration