

Md Rashedul Islam

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PROFILE

Motivated and hardworking Computer Science and Information Security student at Queensborough Community College, with a strong interest in applying technical and research skills in a professional setting. Brings a blend of technical expertise, research experience, and strong communication abilities to contribute effectively to any organization.

EDUCATION

The City College of New York, CUNY

Fall 2025 – Spring 2027

Bachelor of Engineering in Biomedical Engineering

Queensborough Community College, CUNY

Fall 2023 – Spring 2025

Associate of Science in Computer Science and Information Security

- GPA: 3.92, Dean's List
 - Member, Coding Club and Mathematics Club
 - Research Assistant, Physics Department
 - Member, Phi Theta Kappa International Honor Society
 - Undergraduate Student Researcher
 - Senator, Physics and Engineering Club
 - Tech Fee Intern, Strategic Initiative Advancement Department
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SKILLS

Programming Languages: HTML, Python, Java, CSS, Object-Oriented Programming, C, C++

Technical Skills: Data Analysis, Web Development, Financial Management, Bookkeeping, UX Design, Graphic Design, Network Security

Administrative Tools: MS Office Suite, Data Entry, ProcessMaker, Blackbaud, GitHub

Professional Skills: Communication, Collaboration, Time Management, Event Management

Research Skills: Radiation Safety, Quantitative Data Analysis, Data Visualization (Excel, Matplotlib, Jupiter Lab, Python)

Languages: English, Bengali

PROFESSIONAL EXPERIENCE

College Assistant, Strategic Initiative Advancement Department

Queensborough Community College | *July 2024 – Present*

- Managed website and database operations; performed data analysis.
- Developed forms, processes, screens, and scripts using ProcessMaker.
- Provided technical support and handled administrative duties

Research Assistant, Physics Department

Queensborough Community College | *January 2024 – Present*

Projects:

1. *Comparative Analysis of Play-Doh and Super Flex Bolus as Tissue-Equivalent Materials in Radiation Therapy.*
2. *Exploring Play-Doh as a Potential Bolus Material in Radiotherapy: Assessing Gamma Radiation and Electron Beam Attenuation Characteristics*
 - Investigated gamma radiation and electron beam attenuation properties of alternative bolus materials.
 - Researched affordable alternatives for radiotherapy applications.
 - Conducted narrow and open beam experiments in cancer treatment simulations.
 - Measured radiation from alpha, beta, and gamma sources using advanced detection techniques.
 - Contributed to medical and radiation physics research.

CUNY Research Scholars Program (CRSP) Scholar

The City University of New York | *September 2024 – July 2025*

Project: *Attenuation of Beta and Gamma Radiation by a Commercial Bolus Material: A Comparative Study with Locally Available Alternatives*

- Completed 400 hours of research and attended bi-weekly workshops.
- Conducted research in medical and radiation physics.
- Published findings and presented to an audience of 200+ students across CUNY.

Visitor Intern, Kupferberg Holocaust Center (KHC)

Queensborough Community College | *February 2025 – May 2025*

Project: *Nazi Concentration Camp Badges: Identity, Dehumanization, and Control*

- Welcomed visitors and introduced exhibit content.
- Assisted with audio tours and educational materials.
- Conducted research and supported administrative tasks.

Summer Intern, UTAA Radiological Control Technician (RCT) Training Program

May 2024 – August 2024

- Completed 250 hours of DOE fundamentals and site-specific academic lessons.
- Passed the DOE RCT Core Fundamentals Comprehensive Exam.
- Attended 14 hours of professional development and soft skills training.

Research Mentor, Research Foundation of CUNY

July 2024 – August 2024

- Mentored high school students in conducting STEM research.
- Assisted with research papers and poster presentations.
- Led radiation experiments with a focus on medical and health physics.

VOLUNTEER & LEADERSHIP EXPERIENCE

Volunteer, Debate Club & Science Club

2018 – 2022

- Maintained volunteer records and donation logs.
- Supported event planning and fundraising activities.
- Created and distributed promotional materials.
- Researched grant opportunities.

Senator, Physics & Engineering Club

Queensborough Community College | 2023 – Present

- Oversaw funding, internships, and external competition management.
- Supported projects and student research in Medical Physics, Engineering, AI, Cybersecurity, and Forensics.
- Coordinated workshops and internship opportunities with faculty and professionals.
- Promoted interdisciplinary collaboration across STEM fields.

HONORS & AWARDS

- All-New York Academic Team 2025 — Phi Theta Kappa Honor Society
- Academic Continuing Merit Scholarship — Fall 2024, Spring 2025
- Nathan & Rose Chao Scholarship — Fall 2024
- 2025 Norman H. Hill Excellence in STEM Research Award — Spring 2025
- Presenter, DIA 2025 Global Annual Meeting — Washington, D.C.
Selected as 1 of 24 student presenters to showcase undergraduate research alongside graduate and PhD candidates at an international conference. — June 2025

CERTIFICATIONS

- Presented at the DIA 2025 Global Annual Meeting in Washington, D.C. — June 2025
- Certificate of Recognition for Undergraduate Research Support at QCC — June 2025
- Spring Student Symposium Presentation at QCC — May 2025
- PTK Lambda Sigma Chapter — May 2025
- Google Cybersecurity Certificate — January 2025
- AWS Cloud Foundations — January 2025
- Undergraduate Research and Creative Works Day at QCC — December 2024
- Radiation Control Technician (RCT) — July 2024
- Spring Student Symposium Presentation at QCC — May 2024
- Responsible Conduct of Research (RCR), CITI Program — March 2024