

Refath Bari

Brooklyn Tech

Class of '21

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Biography

I love Mathematics & Journalism. I communicate my passion for Math through videos on Linear Algebra & Calculus and exercise my passion for Journalism as Editor of *The Thinker* and Executive Editor of *The Survey*, the school newspaper. I believe Mathematics & Journalism share one common denominator: truth. One uncovers the truths of the Universe; the other -- truths of our society; both equally essential.

Accomplishments

1560 SAT
Superscore
(800M/760W)

5, AP Physics 1
5, AP European
5, AP CSP
#, AP Stats
#, AP Macro

96.5% Average

AP Scholar with
Distinction

Milken Scholar
Nominee

Honor Roll

Ranked #11 NYC in
Math League

Math Lesson Leader,
South Bronx United
Inc.

Yellow-Black Belt,
Karate

[55 Days in Dharavi](#)

A monograph on the lives of the poor in a pandemic, with a case study focused on my experience in the Dharavi Slum of Mumbai, India.

[A Bridge from Maxwell to Einstein](#)

A paper documenting three fundamental principles that connect electromagnetism to Special Relativity. Research Advisor: MIT Physicist Dr. Daniel Kabat. It is currently being considered for publication in a peer-reviewed journal. I delivered a Colloquium on the paper at Manhattan College on 11/3/20, and have colloquiums scheduled at Xavier University and the University of Rhode Island for March 2021.

[Executive Editor, *The Survey*](#)

I lead the Brooklyn Tech's Student Newspaper. In doing so, I led the creation of four prototypes of the website over the course of six months for the school newspaper. Current site serves over 4000 monthly unique visitors. As Webmaster and Executive Editor of *The Survey*, I've helped them adjust to an all-remote experience and outlined the vision and milestones for the paper.

[Math4Bronx, Cofounder](#)

Launched Math4Bronx to inspire children of the Bronx to fall in love with Math. We believe that Memorization is a crime and our movement has caught the attention of local media.

[NYC Hackathon Winner](#)

My app won recognition from Jumaane Williams, NYC Public Advocate, for "Best Use of NYC Open Data". iCare addressed the Opioid Crisis, which has grown increasingly worse, especially after the pandemic.

Captain of Math Team A

I lead the Math Team of the largest school in the United States.

Contributor, [Washington Examiner](#) & [The Thinker](#)

I contribute articles primarily on Pedagogy and Education Policy including on the SHSAT and Remote Learning