

**OBJECTIVE:** A doctoral student at Columbia University, and a math, physics & computer science scholar (NYU CRISP Scholar and CUNY STEM Scholar)—with five Bachelor's degrees, two Master's degrees, and extensive research experience in the fields of math & science, seeking to earn five Ph.Ds

## EDUCATION

- Doctorate in Math Education, Columbia University, Expected graduation 11/2021
- MA, Physics Education, New York University, 06/2015 (CRISP Scholar)
- BA, Mathematics, Lehman College, 05/2014 (STEM Scholar)
- BA, Physics, Lehman College, 05/2014 (STEM Scholar)
- BA, Computer Science, Lehman College, 05/2014 (STEM Scholar)
- BA, Economics, City College of New York, 05/2011
- MA, Political Science, Brooklyn College, 06/2010
- BA, Political Science, York College, CUNY, 02/2009

## TEACHING CERTIFICATION

- New York State Professional teaching certification (7-12) in physics

## WORK EXPERIENCE

### Physics Teacher, Brooklyn Tech

**8/16 - Present**

Taught physics to academically gifted and talented students. Planned and organized hands-on activities as well as simulations to investigate physical phenomena such as gravity and electricity. During the pandemic, I created a flipped classroom by creating a website and posting 52 videos on Physics for each of the 52 days of Remote Learning. I also fostered a community of learning by expanding the ZPD of the entire classroom community via various platforms such as Microsoft Teams, and Google Classroom. Link: <http://barisciencelab.tech/Remote.html>

### Adjunct Lecturer, Bronx C. College

**1/17 – Present**

Designed and taught mathematics and computer science courses. Communicated various mathematics/computer science concepts, grades students exams. Teaching via modeling is my main strength.

### Physics & Computer Science Teacher, New Visions Charter High School

**8/15 to 8/16**

Taught physics classes to a diverse array of students of varying ages and abilities. Planned and organized hands-on activities that encouraged active student participation, involvement, and teamwork. Advisor for Robotics Club, focus on fostering student leadership.

### Founder, Bari Science Lab

I have founded Bari Science Lab to engineer Eureka for every student. To do so, I'm in the process of creating 180 websites for 180 school days for every subject. Link, <https://barisciencelab.tech/L4BallisticPendulum.html>

## ENGINEERING AND COMPUTATIONAL PROFICIENCIES

- Engineering: Computer Architecture and Operating System || Languages: C++, Java, JavaScript, HTML, CSS, Python, and Julia
- AS: Photoshop, Dreamweaver, and Final Cut Pro || Math & Science AS: Fortran, SPSS, MATLAB, Maple, and Pascal
- I write over 800 lines of codes a day. I create at least 1 website a day

**SCHOLARSHIPS:** Lehman College STEM (NSF Funded) Scholarship;  
CRISP Scholarship, Funded by New York University

**HONORS & ACCOLADES:** Featured across CUNY Lehman College campus banners  
Founder: [Bari Science Lab](#) (Motto: Ambition + MKO + Hands-on = Learning)