

OBJECTIVE: 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 salary differentiation at DOE.

EDUCATION

- MS, Computer Science, Fordham University, Expected graduation 05/2017
- MA, Pure Mathematics, Lehman College, Expected graduation 12/2016
- 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 teaching certification (7-12) in physics

WORK EXPERIENCE

Adjunct Professor, College of Staten Island

8/16 – Present

Designed and taught Calculus and Julia, a high-level computer language. Communicated various mathematics concepts, grades students exams and debugged student errors in programs.

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.

Instructor, SIG at Princeton University

Summer, 2016

Designed and taught Discrete Mathematics for Computer Science to some of the most gifted and talented students in the world at Princeton University campus for Summer Institute for Gifted.

Adjunct Professor, CUNY Baruch College

8/15/ to 8/16

Designed and taught mathematics courses including Pre-calculus and calculus. Communicated various mathematics concepts, checked students' notebooks and marked their progress regularly and proctored exams.

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.

Supplemental Instructor - Seek Program, Lehman College

07/11–8/15

Provided a 50 minute review session for students enrolled in historically difficult courses, such as mathematics, physics, and computer science. Used the CVMA Model (please see my cover letter for details) to provide one-to-one tutoring to help students succeed in physics.

NYU Summer Institute

07/2014-09/2014

Created and taught a successful hands-on, inquiry-based unit that focused on the study of physics as applied to sports. Led hands-on physics lessons and offered modifications of lesson ideas. Produced an interactive iBook that were used to prepare the instructors at next summer's institute. Built a website: www.bari-science-lab.com.

Contributor, JPost, Huffpost, and TOI

2012–Present

Regularly contributed to some of the biggest newspapers in the world, including Jerusalem Post, Huffington Post, and Times of Israel in issues such as Education, poverty, women empowerment, democracy, and anti-terrorism.

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

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, which promotes secular education around the world.