Syed Saam Rasool

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Education

B.S., Materials Science and Engineering 2021-
Columbia University

B.A., Mathematics 2018-2023
Colby College (GPA: 3.78)
- Ralph J. Bunche Scholar

Work Experience

Fellow, Marjorie Lee Browne STEM Education Fellowship Jun 2021-Jul 2021
- Lead a STEM camp for excelling students of color attending under-resourced middle schools in Memphis, TN held sponsored by the Memphis Teacher Residency.
- Concurrent programming held at the National Civil Rights Museum for promoting equity in the classroom.

Teaching Assistant, Colby College Department of Mathematics Sep 2019-May 2021
- Grade weekly problem sets and quizzes, hold TA help sessions
- Courses: Series in Honors Calculus, Series and Multivariable Calculus

Mathematics Tutor, Colby College Department of Mathematics Sep 2019-May 2020

Education and Engagement Intern, Colby College Museum of Art Sep 2019-May 2021
- Worked under the CCMA curator of education and engagement, Kristin Bergquist
- Presented analysis of visitor surveys to the museum board
- Researched and planned the launch of a competitive student docent program (CCMA Student Guides program

Musician, Winslow Congregational Church Jan 2020-May 2021
- Served as the principal organist and musician at the UCC congregational church in Winslow, ME.

Research Experience

Undergraduate Researcher, Polymath Jr. REU Summer 2020
PI: Steven Miller
Areas: number theory, probability
- Produced probabilistic models of sequence length walking along primes and other integer sequences under digit-appending operations (preprint)

Research Assistant, Columbia Univ. Dept. of Materials Science and Engineering July 2022-
PI: Siu Wai Chan
Areas: materials science, ceramics
- Fabricate and characterize electronic conductivity in nanoparticles of doped-metal oxides using impedance spectroscopy
- Create thin films of nanoparticles suspended in polymer matrix for analysis of optical properties