Rahul Rajkumar

Institute Affiliation   UC Riverside Department of Mathematics
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Education

2020 -	**University of California, Riverside** Ph.D. in Mathematics
2016 - 2020	**New York University, College of Arts and Sciences** B.A. (*magna cum laude*) with high honors in Mathematics

Awards & Honors

2020 -	UC Riverside Chancellor's Distinguished Fellowship
2020	Fulbright Designated Alternate NYU Nominee with Renyi Institute of Mathematics
2019	NYU Courant Summer Undergraduate Research Experience (SURE) Grant
2019	NYU Dean's Undergraduate Resarch Fund (DURF) Grant
2016 - 2020	NYU Presidential Honors Scholar

Research

2020 -	**A Continuum Model for Stem Cell Differentiation** Working with Dr. Heyrim Cho and Dr. Qixuan Wang
2019	**An Extension of a Stochastic Model for Mitosis** Summer Undergraduate Research supervised by Dr. S.R.S. Varadhan

Presentations

November 2019	**An Introduction to Branching Processes with Applications to Biology** NYU Math Society Student Talks
October 2019	**Branching Processes and a Model for Mitosis** SURE Fall Research Symposium
July 2019	**Branching Processes** unSURE Summer Lunch Lecture Series

Teaching Experience

Teaching Assistant (UC Riverside)

Winter 2021	Math 121: Game Theory
Winter 2021	Math 6A: Introduction to College Mathematics for Sciences I
Fall 2020	Math 151A: Advanced Calculus First Course in an Undergraduate Analysis Sequence
Fall 2020	Math 5: Precalculus A First Course on Transformation and Symmetry with Application to the Study of Elementary Functions
Fall 2020	Math Emporium A collaborative learning program for undergraduate students

Departmental Tutor (NYU Courant)

2019 - 2020 │ Analysis & Abstract Algebra

2018 - 2020 │ Calculus, Discrete Mathematics, Linear Algebra

SERVICE AND OUTREACH

2016 - 2020 │ Courant Splash
│ Co-Director 2018 - 2020

2019 - 2020 │ NYU Courant Peer Mentor

MEMBERSHIPS

American Mathematical Society (AMS)