

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 Research 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)