Shashank Sule

CONTACT INFORMATION

1304 William E. Kirwan Hall
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University of Maryland
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EDUCATION

University of Maryland, College Park 2020–2025
Ph.D. candidate in Applied Mathematics, Statistics, and Scientific Computation

Amherst College 2016–2020
A.B. Mathematics, *summa cum laude*
Thesis: Two Multiresolution Frameworks on Graphs

Massachusetts Institute of Technology Spring 2019
Special Student in the Mathematics Department

Budapest Semesters in Mathematics Fall 2018

PUBLICATIONS

Sobolev Orthogonal Polynomials on the Sierpinski Gasket. Qingxuan Jiang, Tian Lan, Kasso Okoudjou, **Shashank Sule**, Robert Strichartz, and Sreeram Venkat, and Xiaoduo Wang (Submitted).

TALKS

Joint Mathematics Meetings 2020 Jan. 2020
AMS Contributed Session on Functional Analysis, Operator Theory, and Operator Algebras I

Georgia Institute of Technology Aug. 2019
Southeastern Undergraduate Mathematics Workshop

POSTERS

Ohio State University Aug. 2019
Young Mathematicians Conference
Sobolev Orthogonal Polynomials on the Sierpinski Gasket

Amherst College Aug. 2018
Annual Summer Research Symposium
Normality of Toric Rings and Rees Algebras of Strongly Stable Ideals

AWARDS & FELLOWSHIPS

Michael Brin Graduate Fellowship Aug. 2020–Jun. 2024
Dean's Fellowship, University of Maryland Aug. 2020–Jun. 2022
The Robert H.Breusch Prize for the best undergraduate thesis in Mathematics and Statistics May 2020
The Walker Award in Mathematics and Statistics May 2020
Amherst Memorial Fellowship Aug. 2020–Jun. 2021
Loeb Center Summer Experience Fellowship Jun. 2019
Sarles Fellowship, Amherst College Jun. 2018

Gregory S. Call Academic Internship Aug. 2017−May 2018
Davis United World College Scholarship Aug. 2016−May 2020
First Place and Outstanding Award in SCUDEM 2018 Apr. 2018

Relevant Coursework

- ❑ Probability theory
- ❑ Combinatorial Optimization
- ❑ Partial Differential Equations
- ❑ Wavelets and Fourier Analysis
- ❑ Bayesian Statistics
- ❑ Numerical Analysis
- ❑ Differential Geometry
- ❑ Real Analysis
- ❑ Complex Analysis
- ❑ Measure Theory
- ❑ Abstract Algebra I
- ❑ Abstract Algebra II

Teaching Experience

Teaching Assistant, Amherst College

- MATH 250−Number Theory Spring 2020
- MATH 320−Wavelets and Fourier Analysis Fall 2019
- MATH 220−Mathematical Reasoning and Proof Fall 2019
- ECON 330−Macroeconomics Spring 2018
- CHEM 160−Chemical thermodynamics Fall 2017

Activities & Employment

Cornell Universiy SPUR/REU, Analysis on Fractals Summer 2019
Amherst College SURF, Algebraic Geometry Summer 2018
Research Assistant, Economics Department Aug. 2017− May 2018
Amherst College ISA, Co-Chair Spring 2018
Amherst College SASA, Treasurer Spring 2017
The Indicator, Staff writer Fall 2017
UWC Mahindra College, Support Facilitator Jun. 2015−Jun. 2017

Skills and Languages

MATLAB, Julia, Mathematica, Python, R

Github: `https://github.com/ShashankSule`

English (native), Marathi (native), Hindi (native), Spanish (reading and writing proficiency), Hungarian (reading proficiency)