Harshit Yadav

CONTACT INFORMATION	*Work address*	University of Illinois at Urbana-Champaign
		Department of Mathematics, 1409 W Green St
		Urbana, IL 61801, (217) 333-3350
	Phone	(217) 693-9656
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PERSONAL INFORMATION

Birth date and location: November 13, 1995; Gurdaspur, Punjab, India
Citizenship: India

EDUCATION

University of Illinois at Urbana-Champaign   Since August 2017
Ph.D in Mathematics
- Advisor: Professor Chelsea Walton
- Research Interests: Representation theory, Hopf algebra, Tensor categories
- GPA: 4/4

Indian Institue of Technology, Kanpur   May 2017
Bachelor of Science, Mathematics
- Cumulative Grade Point: 8.9/10

HONORS AND AWARDS

- Program Associate at MSRI (Jan-May 2020) for the semester long program on Quantum Symmetries
- Secured All India Rank 1876 in IIT Advanced 2013.
- Secured All India Rank 209 in JEE Mains 2013 among 1.65 million candidates.
- Cleared the Regional Mathematics Olympiad.
- Awarded the KVPY fellowship after securing All India Rank 142 among 200 thousand students.

PUBLICATIONS AND PREPRINTS

C. Robichaux, H. Yadav, A. Yong, "The ABCDs of Schubert calculus" In: *arxiv preprint,* arxiv:1906.03646.

C. Robichaux, H. Yadav, A. Yong, "Equivariant cohomology, Schubert calculus, and edge labeled tableaux" In: *arxiv preprint,* arxiv:1908.11224.

UNDERGRADUATE RESEARCH INTERNSHIPS

Combinatorial Hopf algebras   *Summer 2016*
Prof. Jean-Christophe Novelli
Laboratoire d'informatique, Institut Gaspard Monge, Université Paris-Est Marne-la-Vallée

The Saturation Conjecture   *October 2015*
Prof. Amritanshu Prasad, *Institute of Mathematical Sciences, Chennai*

Algebraic Graph Theory   *Summer 2015*
Prof. R. B. Bapat, *Indian Statistical Institute, New Delhi*

TALKS

Tensor categories reading group	November 2019
Frobenius Algebras and TFT reading group	March, January 2019
Algebraic combinatorics class	December 2018

TEACHING	**University of Illinois at Urbana-Chamapign**
	Teaching Assistant
	Math 241, Calculus 3: Fall 2017, Fall 2018, Spring 2019, Fall 2019
	Math 231, Calculus 2: Spring 2018

SERVICE   **Co-organizer, Algebra-Geometry-Combinatorics Seminar, UIUC** 2018-19
Co-organizer of the AGC seminar in Fall 2018 and Spring 2019.

CONFERENCES AND SCHOOLS

Introductory Workshop: Quantum Symmetries   Feb 2020
MSRI, Berkeley

Connections for Women: Quantum Symmetries   Jan 2020
MSRI, Berkeley

Quasy-Con   November 2019
UIUC

Quantum Symmetries summer school   June,July 2019
Universidad de los Andes

OSU Summer research program on quantum symmetries   June 2019
Ohio State University

ALGECOM 16   May 2019
Loyola University

Combinatorics and beyond   November 2018
Univeristy of Michigan

Representation Theory, Combinatorics, and Geometry   October 2018
Univeristy of Virginia

Summer school in Algebraic group actions   June 2018
McMaster University

OSU workshop on Schubert Calculus   May 2018
Ohio State University

ALGECOM 16   March 2018
University of Michigan