

Jack Chen-An Chou

CONTACT INFORMATION	School of Mathematics University of Minnesota Minneapolis, MN 55455 <i>E-mail:</i> chou0188@umn.edu <i>Website:</i> https://jackchoumath.github.io/	
EDUCATION	University of Minnesota, Minneapolis, MN Ph.D. in Mathematics 2026 - Present University of Florida, Gainesville, FL M.S. in Mathematics, Advisor: Zachary Hamaker 2024 - 2026 University of California, San Diego, La Jolla, CA B.S. in Mathematics, Advisor: Brendon Rhoades 2020 - 2024	
RESEARCH INTERESTS	Algebraic combinatorics: Schubert calculus	
PREPRINTS	[1] <i>Coxeter and Schubert combinatorics of μ-involutions</i> with Zachary Hamaker arxiv.org/abs/2604.03379 [2] <i>A positive combinatorial formula for the double Edelman–Greene coefficients</i> with Tianyi Yu arxiv.org/abs/2512.12185 [3] <i>Asymptotically maximal Schubitopes</i> with Linus Setiabrata arxiv.org/abs/2512.04053 Bulletin of the London Math Society, to appear [4] <i>Newton polytopes of fireworks Grothendieck polynomials</i> with Linus Setiabrata arxiv.org/abs/2508.09107	
PUBLICATIONS	[5] <i>Grothendieck polynomials of inverse fireworks permutations</i> with Tianyi Yu arxiv.org/abs/2403.12186 The European Journal of Combinatorics, Volume 127, 104158 [6] <i>Constructing maximal pipedreams of double Grothendieck polynomials</i> with Tianyi Yu arxiv.org/abs/2312.01250 The Electronic Journal of Combinatorics, Volume 31, Issue 3	
PROCEEDINGS	[7] <i>Grothendieck polynomials of fireworks and inverse fireworks permutations</i> with Linus Setiabrata and Tianyi Yu Proceedings of the 39th Conference on Formal Power Series and Algebraic Combinatorics, extended abstract of [4] and [5].	

TALKS	A positive combinatorial formula for the double Edelman–Greene coefficients	
	• SIAM Math Slam. University of Florida.	Apr. 2026
	• 2026 Spring Southeastern Sectional of the AMS. Georgia Southern University.	Mar. 2026
	• Richard P. Stanley Seminar in Combinatorics. Massachusetts Institute of Technology.	Mar. 2026
	• Combinatorics Seminar. University of Minnesota, Twin Cities.	Feb. 2026
	• Student Combinatorics & Algebra Seminar. University of Minnesota, Twin Cities.	Feb. 2026
	Coxeter and Schubert combinatorics of μ-involutions	
	• LACIM Seminar. LACIM, Université du Québec à Montréal.	May 2026
	• Discrete Geometry and Combinatorics Seminar. Cornell University.	Feb. 2026
	• Combinatorics Seminar. Center for Combinatorics, Nankai University.	Jan. 2026
	• Algebra Seminar. Beijing International Center for Mathematical Research, Peking University.	Dec. 2025
	Newton polytopes of fireworks Grothendieck polynomials	
	• Combinatorics and Graph Theory Seminar. Michigan State University (via Zoom).	Sep. 2025
	• Combinatorics Seminar. University of Florida.	Sep. 2025
	• New perspectives of coinvariant rings from viewpoints of geometry and algebraic combinatorics. RIMS, Kyoto University.	Jul. 2025
	Grothendieck polynomials of inverse fireworks permutations	
	• Algebra-Geometry-Combinatorics Seminar. University of Illinois, Urbana-Champaign.	May 2025
	• Combinatorics Seminar. University of California, San Diego.	Mar. 2025
	• Graduate Student Combinatorics Conference. University of Southern California.	Mar. 2025
	Constructing maximal pipedreams of double Grothendieck polynomials	
	• Combinatorics Seminar. National Taiwan Normal University.	Dec. 2025
	• Combinatorics Seminar. University of Florida.	Oct. 2024
	• Undergraduate Honor Thesis Presentation. University of California, San Diego.	May 2024
	Grothendieck polynomials of fireworks and inverse fireworks permutations	
	• Formal Power Series and Algebraic Combinatorics. University of Washington.	Jul. 2026
	University of Florida	
	• Joseph A. Alfred Mathematics Excellence Award (2000 USD)	Sep. 2025
	OTHERS	
	• UCSD Undergraduate Honor Thesis (Honors with Highest Distinction): <i>Three problems on Grothendieck polynomials and pipedreams</i>	
	TEACHINGS	
	Department of Mathematics, University of Florida	
	• MAC2312 Analytic Geometry and Calculus II Spring 26	
	• MAC2311 Analytic Geometry and Calculus I Fall 24, Spring 25	