Contact Information	 ♦ Phone: (424)440-9698 ♦ Email: jl106@illinois.edu 		273 Altgeld Hall of Mathematics
	\diamond Website: jiantongliu.github.io	University of Illinois Urb	
Research Interest	Algebraic Geometry, Algebraic K-theory, Homotopy Theory.		
Education	University of Illinois Urbana-Cham Ph.D., Mathematics	paign (UIUC) Au	g 2023 - Present
	University of California, Los Angeles (UCLA) Sept 2019 - Jun 2023 B.S., Mathematics, with Departmental Highest Honors		
	B.S., Cognitive Science, with Specialization in Computing		
Publications	 Bounds in Simple Hexagonal Lattice and Classification of 11-stick Knots. (With Y. Bao, A. Benveniste, M. Campisi, N. Cazet, A. Goh, E. Sherman.) J. Knot Theory Ramif. (2023), Vol. 32, No. 14. 		
Talks	 External <i>Bounds in Simple Hexagonal Lattice and Classification of 11-stick Knots.</i> AMS Special Session at Joint Mathematics Meeting, January 2023, Boston, Massachusetts. 		
	 Internal <i>Equivariant Cohomology.</i> Equivariant Homotopy Theory Learning Seminar, February 2024. + = Q. (2 parts) UIUC Algebraic K-theory Reading Seminar, February 2024. Quillen's and Suslin's K-theory. (5 parts) UIUC Algebraic K-theory Reading Seminoctober - December 2023. Triangulated Category's Christmas Wish List. UIUC Graduate Algebraic Geometry Commutative Algebra Seminar, September 2023. Enriched Categories and Applications. UCLA Directed Reading Program Colloque March 2022. 		y 2024. eading Seminar, ic Geometry and
Awards	UCLA Latin Honors, Magna cum laude		Jun 2023
	UCLA Departmental Highest Honors in I	<i>l</i> athematics	Jun 2023
Teaching	At UIUCAug 2023 - Present \diamond MATH 257, Linear Algebra with Computational Applications, Teaching Assistant. \diamond MATH 241, Calculus III, Course Grader.		
	 At UCLA Sept 2020 - Sept 2022 MATH 115AH, Upper Division Linear Algebra (Honors), Course Grader. (×5) MATH 115A, Upper Division Linear Algebra, Course Grader. (×2) MATH 105 Series, Mathematics and Pedagogy for Teaching Secondary Mathematics, Course Grader. (×3) 		
	At UCLA Olga Radko Endowed Ma		2021 - Jun 2023

*Last updated March 2024.

Research Experience	Undergraduate Researcher at Polymath Jr Topic: On combinatorial knot theory, in particular on stick knots.	Jun 2022 - Jan 2023 s.	
	Supervisors: Professor Marion Campisi, Nicholas Cazet		
	Undergraduate Researcher at UCLA CAM REU Topic: On compartmental modeling, in particular on SEIR models		
	Supervisors: Professor Andrea Bertozzi, Professor Paul Branting Hyde, Professor Chuntian Wang, Yotam Yaniv	· · · · · · · · · · · · · · · · · · ·	
	Lab Research Assistant at UCLA Psychology Department Topic: On object recognition and motion perception.	Mar 2022 - Mar 2023	
	Supervisors: Professor Zili Liu, Yang Xing, Maggie Yeh		
Services	UIUC Graduate Affairs Committee	Aug 2023 - May 2024	
	Organization for Transformative Works (OTW)	Oct 2018 - Present	
Skills	Programming Languages: R, Python, Java, C++		
	Other Mathematical Tools: MATLAB, Lean, Agda		
	General Tools: WordPress, LAT_EX		
	Language: Chinese (native), English (fluent)		