

# MurphyKate Montee

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University of Chicago  
Mathematics Department  
5734 S University Ave  
Chicago, IL 60637

murphykate.montee@gmail.com  
math.uchicago.edu/~murphykate

Phone: +1 (920) 495-0024

EDUCATION	<b>University of Chicago</b> PhD Candidate, Mathematics Advisor: Danny Calegari	2014-present
	MS, Mathematics	2016
	<b>University of Cambridge</b> MASt, Mathematics	2013-2014
	<b>University of Notre Dame</b> BS, Honors Mathematics and Music (Vocal Performance)	2009-2013
PUBLICATIONS	<i>Knot projections with a single multi-crossing.</i> With C. Adams, T. Crawford, B. DeMeo, M. Landry, A. Lin, S. Park, S. Venkatesh, F. Yhee. <i>Journal of Knot Theory and its Ramifications</i> <b>24</b> (3), 2015. arXiv:1208.5742	
	<i>Complementary regions of multi-crossing projections of knots.</i> arXiv:1210.0453	
PRESENTATIONS	Three Manifolds and Geometric Group Theory <i>CIRM, Luminy, Fr</i>	June 2018
	Joint Mathematics Meetings (Mathematics Research from the SMALL Undergraduate Research Program), <i>San Diego, CA</i>	January 2018
	Joint Mathematics Meetings, <i>San Diego, CA</i>	January 2013
	Young Mathematicians Conference, <i>Ohio State University</i>	July 2011, 2012
AWARDS AND FELLOWSHIPS	Graduate Student Leadership Award <i>University of Chicago</i>	2017
	NSF Graduate Research Fellowship	2013-2018
	Amick Memorial Scholarship <i>University of Chicago</i>	2014-2016
	Churchill Foundation Fellowship	2014-2015
	Alice T Schafer Prize <i>AWM</i>	2014
	Phi Beta Kappa Induction	2013
	Haaser Award and Scholarship <i>University of Notre Dame</i>	2011, 2012
	Provost's Scholarship <i>University of Notre Dame</i>	2009-2013
	Reilly Trustee Scholarship <i>University of Notre Dame</i>	2009-2013
	National Merit Scholarship	2009
	Robert C Byrd Honors Scholarship	2009

TEACHING	<b>University of Chicago</b>	
	Instructor, Math 19620 (Linear Algebra)	2018 -2019
	Teaching Mentor, Course Design (Chicago Center for Teaching)	Spring 2018-Fall 2018
	Creator and Co-Instructor, How to Solve It	Fall 2017, 2018
	Instructor, Calculus Boot Camp (Harris School of Public Policy)	Summer 2017, 2018
	Instructor, Number Theory for Secondary Teachers (SESAME)	Winter 2018
	Grader, Math 317 (Graduate Algebraic Topology)	Fall 2016
	College Fellow, Math 16100, 16200, 16300 (Honors Calculus I, II, III)	2015-2016
	<b>University of Notre Dame</b>	
	Teaching Assistant, Math 10450, 10460 (Honors Mathematics I, II)	2010-2013
Grader, Math 10850, 10860 (Honors Calculus I, II)	2010-2013	
PROGRAMS ATTENDED	Graphs, Surfaces, and Cube Complexes, <i>Warwick, UK</i>	July 2018
	Three manifolds and geometric group theory, <i>CIRM, Luminy, Fr</i>	June 2018
	Women and Mathematics: Geometry and Randomness in Group Theory, <i>IAS</i>	May 2017
	Workshop on Geometric Structures on 3-Manifolds, <i>IAS</i>	October 2015
	Chicago Summer School in Topology, <i>University of Chicago</i>	June 2015
	Women and Mathematics, <i>IAS</i>	May 2017
SERVICE	AWM President, UChicago Chapter	2018-Present
	Math Department DSAC Representative	2016-2018
	Math Department Graduate Student Ombudsperson	2016-2018
	AWM Vice President, UChicago Chapter	2016-2018
	Judge for Science Ambassador Scholarship program	2016-2018
	Advisor for UChicago Math REU	Summer 2016, 2017
	Mentor for Directed Reading Program	2015-2016
LANGUAGES AND SKILLS	English (native), French (Reading ILR 3, Speaking ILR 2)	
	$\LaTeX$ , Python	
HOBBIES	Classical Vocal Performance (Soprano), Baking Pastries, Knitting	