

Erin Connelly

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EDUCATION	University of Washington 2018–Present Ph.D. in Mathematics Thesis: Existence and Uniqueness in Camera Reconstruction Advisors: Rekha Thomas and Sameer Agarwal Haverford College 2014–2018 B.S. in Mathematics <i>with high honors</i>	Seattle, WA Haverford, PA
AWARDS	2019 Craig McKibben and Sarah Merner Endowed Fellowship in Mathematics	
PREPRINTS / PUBLICATIONS	<i>Algebra & Geometry of Camera Resectioning</i> (C., Timothy Duff, Jessie Loucks-Tavitas.) Submitted to Journal of Algebra. <i>Lines, Quadrics, and Cremona Transformations in Two-View Geometry</i> (C., Rekha R. Thomas, Cynthia Vinzant.) Submitted to Advances in Geometry. <i>The Geometry of Rank Drop in a Class of Face-Splitting Matrix Products</i> (Sameer Agarwal, C., Alperen Ergur, Rekha R. Thomas.) Submitted to Advances in Geometry. <i>Universality in perfect state transfer</i> (C., Nathaniel Grammel, Michael Kraut, Luis Serazo, Christino Tamon.) Linear Algebra and its Applications, 2017. 531, 516-532.	
TALKS	JMM 2024 <i>The Geometry of Rank Drop in Two-View Image Reconstruction.</i> AMS Special Session on Mathematics of Computer Vision. TU Eindhoven <i>The Geometry of Rank Drop in Two-View Image Reconstruction.</i> SIAM Conference on Applied Algebra and Geometry.	January 4, 2024, San Francisco CA July 12, 2023, Eindhoven NL
TEACHING EXPERIENCE	WXML Undergraduate Mentor: group topic “Generalized Matrix Nearness and Homotopy Continuation ” TA/Grader, Matrix Algebra (Math 208) Instructor , Calculus 1 (Math 124, est. 60 students) Grader, Introduction to Mathematical Reasoning (Math 300) TA, Precalculus (Math 120) Tutor, Math Study Center TA, Calculus 1 (Math 124)	1 quarter Spring 2023 3 quarters 2022-2023 1 quarter Summer 2021 2 quarters 2020-2022 7 quarters 2020-2023 4 quarters 2019-2023 4 quarters 2018-2019