

CONTACT INFORMATION	Department of Mathematics Purdue University 150 North University Street West Lafayette, IN, 47906-2067	✉ E-mail: <a href="mailto:ytarasov@purdue.edu">ytarasov@purdue.edu</a> Phone: (408)886-0416
RESEARCH INTERESTS	<b>Commutative Algebra:</b> Linkage, residual intersections, Cohen-Macaulay rings, Gorenstein rings, Rees algebras.	
EDUCATION	<b>Purdue University</b> , West Lafayette, Indiana	2015–2022 (expected)
	<ul style="list-style-type: none"> <li>• Ph.D. in Mathematics</li> <li>• Advisor: Bernd Ulrich.</li> </ul>	
	<b>University of California, Santa Barbara</b> , Isla Vista, California	2011–2015
	<ul style="list-style-type: none"> <li>• B.S. in Mathematics.</li> </ul>	
TEACHING EXPERIENCE	<ul style="list-style-type: none"> <li>• MA 15800, Precalculus – Functions and Trigonometry, Instructor</li> <li>• MA 26100, Multivariate Calculus, Recitation Instructor</li> <li>• MA 16100, Analytic Geometry and Calculus I, Recitation Instructor</li> <li>• MA 16500, Analytic Geometry and Calculus I, Recitation Instructor</li> </ul>	Spring 2019 Fall 2018 Spring 2018 Fall 2016
FELLOWSHIPS	<ul style="list-style-type: none"> <li>• Purdue University GAANN Fellowship</li> </ul>	Fall 2019–Summer 2020
PROGRAMMING EXPERIENCE	<ul style="list-style-type: none"> <li>• Proficient in Python, Perl and Macaulay2</li> <li>• Coder for Purdue’s Lon-Capa, a learning management assistant</li> </ul>	Spring 2017–Fall 2017
SEMINAR AND CONFERENCE TALKS	<ul style="list-style-type: none"> <li>• Residual intersections of Determinantal Ideals of <math>2 \times n</math> Matrices, Joint Mathematics Meetings, Seattle</li> <li>• Residual Intersections of Determinantal Ideals of <math>2 \times n</math> Matrices, AMS Fall Southeastern Sectional Meeting, Virtual</li> <li>• Residual intersections of Determinantal Ideals of <math>2 \times n</math> Matrices, Algebraic Geometry/Commutative Algebra Seminar, Notre Dame</li> <li>• Residual intersections of Determinantal Ideals of <math>2 \times n</math> Matrices, Commutative and Homological Algebra Market Presentations, Virtual</li> <li>• Generators of Residual Intersections, AMS Spring Western Sectional, Virtual</li> <li>• Generators of Residual Intersections, AMS Central Sectional Meeting, Virtual</li> <li>• Generating Residual Intersections, Commutative Algebra Seminar, UCR</li> <li>• Residual Intersections, AMS Spring Central Sectional Meeting</li> <li>• Generating Residual Intersections, Commutative Algebra Seminar, Purdue</li> <li>• Intro to Spectral Sequences, Student Commutative Algebra Seminar, Purdue</li> <li>• On Linear Weingarten Surfaces, MAA Southern California-Nevada Fall Section Meeting, Pomona</li> </ul>	
		January 2022 November 2021 October 2021 October 2021 May 2021 April 2021 May 2020 Canceled due to COVID February 2020 February 2019 November 2014

- CONFERENCES  
AND  
WORKSHOPS  
ATTENDED
- Joint Mathematics Meetings, Seattle January 2022
  - AMS Fall Southeastern Sectional Meeting, Virtual November 2021
  - AMS Spring Western Sectional, Virtual May 2021
  - AMS Central Sectional Meeting, Virtual April 2021
  - Free Resolutions and Representation Theory, ICERM (virtual) August 2020
  - AMS Spring Central Sectional Meeting, Purdue Canceled due to COVID
  - AMS Fall Central Sectional Meeting, University of Wisconsin-Madison September 2019
  - Thematic Program in Commutative Algebra and its Interaction with Algebraic Geometry, Notre Dame June 2019
  - Graduate Workshop in Commutative Algebra for Women & Mathematicians of Other Minority Genders, University of Minnesota April 2019
  - AMS Fall Central Sectional Meeting, University of Michigan October 2018
  - Algebraic Geometry and its Broader Implications, University of Illinois Chicago March 2018
  - MAA Southern California-Nevada Fall Section Meeting, Pomona November 2014

REFERENCES **Bernd Ulrich** (advisor)  
Purdue University  
E-mail: [ulrich@math.purdue.edu](mailto:ulrich@math.purdue.edu)

**Claudia Polini**  
Notre Dame University  
E-mail: [cpolini@nd.edu](mailto:cpolini@nd.edu)

**Linquan Ma**  
Purdue University  
E-mail: [ma326@purdue.edu](mailto:ma326@purdue.edu)

**Dominic Naughton** (teaching)  
Purdue University  
E-mail: [dnaughto@purdue.edu](mailto:dnaughto@purdue.edu)