

Daniel Reid Irvine - Résumé

CURRENT POSITION	Visiting Assistant Professor Georgia Institute of Technology 023 Skiles Building Atlanta, GA 30318	Phone: (251) 272-0696 Office Phone: (812)855-0044 E-mail: dirvine7@gatech.edu Website: https://dirvine.math.gatech.edu
EDUCATION	University of Michigan , Ann Arbor, MI. United States Ph.D. Mathematics	September 2014 – May 2020 GPA 3.883
	University of Notre Dame , Notre Dame, IN. United States B.S. Mathematics	August 2010 – May 2014 GPA 3.953
AWARDS AND FELLOWSHIPS	NSF Graduate Research Fellowship Honorable Mention 2015 and 2016. Goldwater Scholar 2013. The Karen Rhea Excellence in Teaching Award. The “Golden Stapler” Teaching Award, 2018. Rackham Graduate School Outstanding Graduate Student Instructor Award, 2019. Rackham Graduate School Diversity, Equity, and Inclusion Certificate, 2020. Mathematical Association of America Project NExT (New Experiences in Teaching) Fellow, 2021 GE Prize for Excellence in Mathematics. George Kolettis Award in Mathematics, 2014. Inducted into Phi Beta Kappa honor society, 2014.	
PUBLICATIONS	ORCID ID https://orcid.org/0000-0003-2721-5901 gives links to all publications. <ul style="list-style-type: none"> • THESIS: Irvine, D. “Symplectic Embeddings of Toric Domains”. University of Michigan, 2020. • Irvine, D. “The stabilized symplectic embedding problem for polydiscs”. arXiv:1907.13159. • Aslam, V., Daniel Burns Jr., and Daniel Irvine, “Left-invariant Grauert Tubes on $SU(2)$,” <i>The Quarterly Journal of Mathematics</i>, arXiv:1705.03359. • Adams, C., Orsola Capovilla-Searle, Jesse Freeman, Daniel Irvine, Samantha Petti, Daniel Vitek, and Ashley Weber, “Multi-crossing Number for Knots and the Kauffman Bracket Polynomial,” <i>Mathematical Proceedings of the Cambridge Philosophical Society</i>, ArXiv:1407.4485. • Adams, C., Orsola Capovilla-Searle, Jesse Freeman, Daniel Irvine, Samantha Petti, Daniel Vitek, and Ashley Weber, “Bounds on Übercrossing and Petal Numbers for Knots,” <i>Journal of Knot Theory and Its Ramifications</i>, ArXiv:1311.0526. 	
WORK AND TEACHING EXPERIENCE	Indiana University Bloomington , Department of Mathematics. <i>Visiting Lecturer: Introduction to Calculus 1 & 2</i>	Fall 2020 – Spring 2021 <ul style="list-style-type: none"> • Primary instructor for 3 sections of 50-70 students.
	University of Michigan , Department of Mathematics. <i>Instructor: Calculus 1 & 2</i>	Fall 2014 – Winter 2020 <ul style="list-style-type: none"> • Primary instructor for a section of 18-32 students. • Lectured and led class in group assignments. • Graded uniform exams and team homework problems.
	<i>Course Coordinator: Calculus 2</i>	Fall 2017 <ul style="list-style-type: none"> • Organized and led instructors of 43 sections of MATH 116. • Created course-wide uniform exams and team homework problems.
	<i>Coordination Assistant and Teaching Mentor: Introductory Mathematics Program</i>	Fall 2018 <ul style="list-style-type: none"> • Observed new instructors to provide feedback on best practices. • Acted as a teaching substitute for any instructor that was unable to teach. • Proofread all exams and for Precalculus, Calculus 1, and Calculus 2.
TECHNICAL SKILLS	Programming and Scripting Languages: C, CSS, HTML, Haskell, LaTeX, Mathematica Office Skills: Microsoft office suite (Word, Excel, Powerpoint), Adobe publishing suite	