

Hadrian Quan

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Education

2015-present PHD in Mathematics, University of Illinois Urbana Champaign
2011-2015 BA in Pure Mathematics (with Honors in the Major), University of California Santa Cruz

Grants, honors, & awards

2016 **National Science Foundation Graduate Research Fellowship**
2015 **Outstanding Presentation Award**, San Antonio Joint Mathematics Meeting: MAA Undergraduate Poster Session, in the category of Analysis

Publications, Conferences, & talks

JOURNAL ARTICLES

2016 **Infinite Products Arising in Paperfolding** with L. Almodóvar, V. Moll, F. Roman, E. Rowland, and M. Washington. Journal of Integer Sequences, vol. 19 (2016) Article 16.5.1

INVITED CONFERENCES

2016 Casa Matemática Oaxaca, “Geometric and Spectral Methods in PDEs”, December 11-15
2016 Fields Institute, “Topology, Stratified Spaces, and Particle Physics Summer School”, August 6-11

TALKS

2016 UIUC Graduate Analysis Seminar, Weyl’s Law and the Heat Kernel on a Compact Manifold
2016 UIUC Graduate Geometry & Topology Seminar, Analysis and Topology: A Tale of Two Indices
2015 UIUC Graduate Analysis Seminar, A Friendly Introduction to Mean Curvature Flow
2015 Undergraduate Poster Presentation, Joint Math Meeting, San Antonio
2014 Undergraduate Poster Presentation, Academic Excellence Program (ACE) New Student Orientation, October 2014
2014 Undergraduate Poster Presentation, Society for the Advancement of Chicanos and Native Americans in the Sciences (SACNAS)

Teaching & Grading

AT UIUC

2016 **TA, Math 241 Calculus III**, Spring 2016, [On the list of Teachers ranked as excellent by their students](#)

2015 **TA, Math 241 Calculus III**, Fall 2015, [On the list of Teachers ranked as excellent by their students \(Outstanding\)](#)

AT UCSC

2013-2015 **Graded** all of above, including: **Math 105A Real Analysis**, Winter 2015; **Math 121A Differential Geometry**, Winter 2015; **Math 100 Introduction to Proof and Problem Solving**, Fall 2014; **Math 103A Complex Analysis**, Spring 2014.

Service

2016-present UIUC Association for Women in Mathematics academic committee member: Organizer for Graduate Student Colloquium Fall 2016-Spring 2017

2017 Participant in: [A Gathering for Gardner, a Math Carnival](#) January 28th

2016 [Sonia Math Day for High School Girls](#)-Helped Lead the activity: An infinite stroll through Wonderland.

2013-2015 Academic Excellence Program (academic support for undergraduate STEM students from under-represented groups in STEM), Section Co-leader: Facilitated collaborative group learning learning problem sessions and peer mentoring for selected courses in math.

2013-2015 Slugs United by Mathematics - Treasurer & Cofounder: Helped create the university math club (the university mascot is the Banana Slug). Club activities included hosting Putnam problem solving sessions, undergraduate research presentations, professional skills development workshops, and talks given by myself and other club officers introducing other undergraduates to mathematical topics of interest.