

Yen Duong

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- EDUCATION** *Ph.D.*, Mathematics
University of Illinois at Chicago. Expected graduation: May 2017.
M.A., Mathematics
University of California, Santa Barbara. June 2012.
B.A., Mathematics and Philosophy
Yale University, New Haven, CT. May 2010.
- PUBLICATIONS** M. Cordes, M. Duchin, **Y. Duong**, A. Sánchez, T. Ho. “Random Nilpotent Groups I,” accepted for publication, *International Mathematics Research Notices*.
- Y. Duong**, K. Meehan, L. Merrill, L. Snyder. “Intrinsically Linked Signed Graphs in Projective Space,” *Discrete Mathematics*. 312 (2012), no. 12-13, 2009-2022.
- AWARDS AND FELLOWSHIPS** *Research and Training Grant Pre-Doctoral Fellow* Fall 2014
One semester research fellowship
- University Fellow* Fall 2012-present
Two-year fellowship at University of Illinois at Chicago
- Graduate Opportunity Fellow* 2010-2011
One-year fellowship at University of California, Santa Barbara
- Mellon Mays Undergraduate Fellow* Spring 2008-present
National fellowship supporting minorities in academia
- Barge and Runk Prize* Spring 2007
Yale University: underclassmen competitive examination in mathematics
- TEACHING ASSISTANT EXPERIENCE**
- Math 3C. Differential and Integral Calculus I. UCSB, Summer 2011
 - Math 3A. Calculus with Applications, First Course. UCSB, Fall 2011
 - Math 34A. Calculus for Social and Life Sciences. UCSB, Winter 2012
 - Math 3B. Differential and Integral Calculus II. UCSB, Spring 2012
 - Math 181. Calculus II. UIC, Fall 2012
 - Math 180. Calculus I. UIC, Spring 2013
 - Math 179. Emerging Scholars Workshop for Calculus. UIC, 2013-2014
- SEMINARS, COLLOQUIA, SERVICE**
- Graduate Student Seminar, Temple University. October 2015
- Talk: “An introduction to cube complexes and random groups”
- Junior Topology Seminar, University of Texas at Austin. Fall 2015
- Talk: “From folds to Cubulations: an introduction to special cube complexes”
- Mellon Mays Undergraduate Fellowship Professional Network 2013-2014

- Vice-Chair of Development. Organize Chicago area networking for MMUF alumni
 - Talk: “Hyperbolic Groups Rule the World!” Yale March 26, 2014
 - Talk: “Special Cube Complexes: The future of hyperbolic studies” MMFPN Chicago event May 10, 2014
- UIC Recruitment Day Mar 2014
- Special lecture: “A problem in geometric group theory”
- Graduate Student Colloquium, UIC.
- Talk: “Introduction to Group Cohomology” Nov 2012
 - Talk: “Introduction to Teichmuller space, the mapping class group, and the curve complex” Mar 2014
- Graduate Geometry, Topology and Dynamics Seminar, UIC.
- Talks: “Fundamental Theorem of Bass Serre Theory,” “Schreier’s Theorem,” “Trees” Spring 2013
 - Organizer. Talks: “What is a Stallings Fold?,” “What is small cancellation theory?,” “Random groups are perfect” 2013-2014
- Midwest Women in Mathematics Symposium Spring 2013
- Founded annual traveling conference for women in mathematics in the midwest
- Association for Women in Mathematics, UIC. 2012-2014
- Helped organize various AWM activities, served on a panel for undergraduates applying to graduate school, moderated a Work-Life balance panel.
- M&M Seminar, UCSB. 2011-2012
- Established semiweekly interdisciplinary mathematics and philosophy seminar
 - Grant Received: Graduate Student Scholarly Collaborations
 - Some talks: “Why Should I Believe You? Mathematics and Epistemological Privilege”, “Everything”, “On Infinity”
- Hypatian Seminar, UCSB. 2010-2012
- Seminar for underrepresented groups in academia, general student guidance.
 - Attendee and talk given, presented at JMM Outreach Poster Session

**WORKSHOPS
AND SUMMER
SCHOOLS**

- IAS Women And Mathematics Program: Words, Curves and Loops.* May 9-20 2016
- Talk: “Working with the Square Model of Random Groups.” Available online.
- MSRI Summer Graduate School: Geometric Group Theory.* June 15-26 2015
- Research Cluster in Random Groups.* Tufts University, Boston. June 25- Aug 5 2014
- Summer School on the Geometry of Outer Space.* Aix Marseille Université June 24-29 2013
- Topology Students Workshop.* Georgia Tech University, Atlanta. June 11-15 2012
- Geometric Group Theory Student RTG.* UC Berkeley. June 18-22 2012
- Enhancing Diversity in Graduate Education.* NC State. June 7-July 10 2010

- CONFERENCES ATTENDED**
- Graduate Student Conference in Algebra, Geometry and Topology.* Temple University, Philadelphia. March 14-15 2016
 - Talk: “Working with the Square Model of Random Groups.”

 - Underrepresented Students in Topology and Algebra Research Symposium.* Sam Houston State University, Huntsville. April 14-15 2016
 - Distinguished Graduate Speaker: “Random Groups and Cubulations.”

 - Graduate Student Combinatorics Conference.* Clemson University. April 1-3 2016
 - Talk: “The Square Model of Random Groups.”

 - Workshop on Mapping Class Groups and $Out(F_N)$.* University of Texas, Austin. May 25-30 2015

 - Cornell Topology Festival.* May 8-10 2015

 - Graduate Student Topology and Geometry Conference.* UIUC. Mar 28-29 2015
 - Talk: “Random Groups are Perfect.”

 - GEAR Junior Retreat.* University of Michigan, Ann Arbor. May 23-June 1 2014

 - Young Geometric Group Theory III.* CIRM, Luminy. Jan 20-24 2014

 - Geometry and Topology in New York.* Columbia University. Aug 12-16 2013

 - Midwest Women in Mathematics Symposium*
 - UIC. Founder and Organizer. April 20, 2013
 - Notre Dame. Talk: “Small Cancellation Theory and Hyperbolicity” April 5, 2014

 - Hot Topics: Surface subgroups and cube complexes.* MSRI. March 18 - 22, 2013

 - Young Geometric Group Theory II.* Technion, Haifa, Israel. Feb 3-7, 2013

 - Women in Mathematics Symposium.*
 - Pomona College, CA. Talk: “Expander Exposition” Nov 20, 2010
 - Loyola Marymount University, CA. Talk: “Some Philosophies of Mathematics.” Jan 21, 2011

 - Joint Mathematics Meetings.*
 - San Francisco, CA. Jan 13-16, 2010. Undergraduate research poster session.
 - Boston, MA. Jan 5-7, 2012. Outreach poster session.

 - OTHER**
 - Science Fair Judging:*
 - California State Science Fair, Los Angeles. Springs 2011 and 2012
 - QED: Chicago’s Youth Math Symposium. April 27, 2013
 - Austin Energy Regional Science Festival. February 18, 2016

 - Languages:* Intermediate French, intermediate Vietnamese

 - Media:* Blog: Baking and Math, <http://bakingandmath.com>