Victoria Noquez

CONTACT
INFORMATION

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RESEARCH
INTERESTS

Model Theory: dp-rank and dp-minimality in continuous logic, properties of theories preserved by Keisler Randomizations.

EDUCATION

University of Illinois at Chicago

Ph.D. Candidate, Mathematics
- Advisor: Dr. David Marker

University of California, Los Angeles

M.A. in Mathematics, December 2009

Carnegie Mellon University

B.S. in Mathematical Sciences, May 2008
- Additional Major in Logic and Computation
- Senior Thesis: Model Theory of Real Closed Fields
- Advisor: Dr. James Cummings

TALKS

Louise Hay Logic Seminar, University of Illinois at Chicago
Randomizations, February 2015
Paris-Harrington Theorem, October 2014
Dp-minimality, October 2013
Definable Linear Orders in o-minimal Structures, March 2013
Strong Minimality in Continuous Logic, January 2013
The Pila-Wilkie Theorem, October 2012
Model Theory of Real Closed Fields, September 2012
Pseudo-Finite Model Theory, February 2012
Weak Theories of Non-Standard Analysis, September 2011

Model Theory Seminar, University of Illinois at Chicago
Hyperimaginary Forking, October 2013
NIP Theories: Mutually Indiscernible Sequences and dp-Rank, November 2012

Graduate Student Logic Conference
Dp-Rank in Randomizations, April 2015, University of Illinois at Chicago
Rational Points of a Definable Set, April 2013, University of Illinois at Urbana-Champaign

Current Literature Seminar in Logic, University of California, Los Angeles
Atomless Probability Algebras, May 2011
Muller Automata and The McNaughton Theorem, April 2010
Nondeterministic Polynomial-Time Computations and Models of Arithmetic, June 2009

ACTIVITIES

Louise Hay Logic Seminar Co-Orgainizer, Fall 2012–Fall 2014
Helping arrange speakers for the graduate student logic seminar at UIC.
Maintaining the website.

AWM Website Workshop, October 2013
Prepared and presented a tutorial for other graduate students about how to create
and maintain a website on the math department server.

AWM Member, Fall 2011–Present
Active member of the UIC Student Chapter of the Association for Women in Mathematics.

Private Mathematics Tutor, September 2008–Present
Working as a private tutor for junior high school, high school, undergraduate, and
graduate students who are taking mathematics courses (pre-algebra, algebra, geometry, trigonometry, calculus, linear algebra, differential equations, abstract algebra,
logic) or preparing for standardized tests (SAT, ACT, GRE).

Shedd Aquarium Volunteer, October 2012–Present
Volunteering in the Guest Engagement department at the John G. Shedd Aquarium.
Giving behind the scenes tours and educating guests about the various animals in the
collection and as well as conservation efforts.

TEACHING
EXPERIENCE

Instructor, Summer 2015
Instructed Math 210, Calculus III, for undergraduate students at University of Illinois
at Chicago.

Teaching Assistant, Fall 2006–Present
Teaching Assistant for the following undergraduate mathematics courses:
  University of Illinois at Chicago, Fall 2011–Present
    Calculus I & II
  University of California, Los Angeles, Fall 2008–Spring 2011
    Precalculus, Calculus I & II, Multivariable Calculus I & II, Calculus for Life Sciences, Differential Equations, Discrete Structures, Abstract Algebra, Mathematical
    Logic, Game Theory
  Carnegie Mellon University, Fall 2006–Spring 2008
    Calculus I, Concepts of Mathematics

Instructor, Summer 2012, Summer 2013
Instructed Beginning Algebra in the Summer Enrichment Workshop program for incoming freshmen at University of Illinois at Chicago.

HONORS AND
AWARDS

2006–2008	Mellon College of Science Dean's List
2004	Accepted and enrolled in Carnegie Mellon University at the end of junior year in high school
2004	National Merit Scholar

GRADUATE COURSEWORK	
• Model Theory	• Algebraic Geometry
• Continuous Logic	• Commutative Algebra
• Infinitary Logic	• Category Theory
• Descriptive Set Theory	• Algebra
• Set Theory	• Differential Geometry
• Proof Theory	• Topology
• Mathematical Logic	• Real Analysis

WORKSHOPS AND SEMESTERS

Spring 2014	MSRI Semester in Model Theory, Arithmetic Geometry, and Number Theory Berkeley, CA
Summer 2013	Model Theory 2013 Ravello, Italy
Summer 2012	MSRI Summer Graduate Workshop: Model Theory Berkeley, CA
Spring 2007	Budapest Semesters in Mathematics Budapest, Hungary

Summer 2006	Research Experience for Undergraduates, Trinity University
	    San Antonio, Texas
	    Advisor: Dr. Scott Chapman

Summer 2004	Carnegie Mellon University Advanced Placement/Early Admission Pittsburgh, PA

CONFERENCES ATTENDED

- Graduate Student Conference in Logic XVI, Chicago, IL (April 2015)
- ASL 2015 North American Annual Meeting, Urbana-Champaign, IL (March 2015)
- Midwest Model Theory Day, Chicago, IL (October 2014, October 2013, April 2013, October 2012)
- Model Theory in Geometry and Arithmetic, Berkeley, CA (May 2014)
- Connections for Women: Model Theory and Its Interactions with Number Theory and Arithmetic Geometry, Berkeley, CA (February 2014)
- Introductory Workshop: Model Theory, Arithmetic Geometry and Number Theory, Berkeley, CA (February 2014)
- ASL 2013 North American Annual Meeting, Waterloo, Canada (May 2013)
- Chicago Logic Day, Chicago, IL (April 2013)
- Graduate Student Conference in Logic XIV, Urbana-Champaign, IL (April 2013)
- Joint Mathematics Meetings, San Diego, CA (January 2013)
- ASL 2012 North American Annual Meeting, Madison, WI (March 2012)
- Logic and Mathematics 2011, Urbana-Champaign, IL (September 2011)
- Infinite Possibilities Conference for Minority Women in Mathematics, Los Angeles, CA (March 2010)

SKILLS

Computer Languages: LaTeX, HTML, Javascript, Java, SML

REFERENCES

Dr. David Marker, LAS Distinguished Professor , Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago, (312) 996-3069, marker@uic.edu