Laura Nicole Silverstein

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EDUCATION

Vienna University of Technology, Vienna, Austria
Ph.D., Mathematics, June 2017
- Dissertation: "Tensor valuations on lattice polytopes"
- Advisor: Monika Ludwig

Polytechnic Institute of New York University, New York, New York
Ph.D. Candidate, Mathematics, August 2012 - May 2013

San Diego State University, San Diego, California
M.A., Mathematics, August 2012
- Thesis: "Steps towards classification of semigraphoids"
- Advisor: Michael O'Sullivan

Arizona State University, Tempe, Arizona
B.A., Mathematics, December 2005

PUBLICATIONS

Ehrhart tensor polynomials, with Sören Berg and Katharina Jochemko. Linear Algebra and its Applications **539** (2018), 72-93.

Tensor valuations on lattice polytopes, with Monika Ludwig. Advances in Mathematics **319** (2017), 76-110.

ACADEMIC
EXPERIENCE

Brooklyn College, New York, New York
Adjunct Assistant Professor Fall 2018
- **Elementary Mathematics from an Advanced Standpoint**
  Replacement instructor for one class of 33 students
  Responsibilities: Leading lectures and group discussions; writing exams and lectures; grading

Vienna University of Technology, Vienna, Austria
Research Assistant September 2013 - July 2017
- **Discrete Mathematics**, Winters 2014, 2015
  Teaching assistant for one session of ∼20 students each term
  Responsibilities: Leading recitation discussions; grading student presentations of solutions

New York University, New York, New York
Adjunct Instructor Summer 2013
- **Precalculus**, Pre-Freshman Summer Opportunity Program
  Primary instructor for two ∼18 student classes
  Responsibilities: Leading lectures and group discussions; writing syllabi, homework, exams, and lectures; grading

Polytechnic Institute of New York University, New York, New York
Adjunct Instructor September 2012 - August 2013
- **Precalculus**, Spring 2013
  Primary instructor for one six-hour class of 25 students
  Responsibilities: Leading lectures and group discussions; writing lectures, collaboratively writing exams and grading
- **Resource Center**, Fall 2012, Winter Mini Session 2013

San Diego State University, San Diego, California
Instructor August 2009 - May 2011
- **Precalculus**, Spring 2010, Fall 2010, Spring 2011
  Primary instructor for two ∼45 student classes each term
  Responsibilities: Leading lectures and group discussions; writing syllabi, homework, exams, and lectures; grading
- **Calculus III**, Fall 2009
  Teaching assistant for 6 recitations with 210 students
  Responsibilities: Leading recitation lectures and discussions; grading

ACADEMIC PRESENTATIONS	Joint Mathematics Meeting, AMS Special Session on Geometric and Topological Combinatorics (Invited Talk), *Ehrhart tensor polynomials*, Baltmore, Maryland, January 2019
	Colloquium, San Diego State University (Invited Talk), *An extension of Pick's Theorem and Ehrhart theory*, San Diego, California, November 2018
	Colloquium, NYU Tandon School of Engineering (Invited Talk), *Tensor valuations and Ehrhart tensor polynomials*, New York, New York, July 2017
	INdAM: Analytic Aspects of Convexity (Invited Talk), *Valuations on lattice polytopes*, Rome, Italy, October 2016
	Seminar der Arbeitsgruppen Diskrete Mathematik, Geometry & Discrete Geometry, TU Berlin (Invited Talk), *Tensor valuations on lattice polytopes*, Berlin, Germany, July 2016
	Discrete Geometry Days in Budapest (Invited Talk), *Tensor valuations on lattice polytopes*, Budapest, Hungary, June 2016
	Algebraic Statistics in the Alleghenies at Penn State (Poster Presentation), *Maximal semigraphoids*, University Park, Pennsylvania, June 2012
	SIAM Conference on Applied Algebraic Geometry (Poster Presentation), *Maximal semigraphoids*, Raleigh, North Carolina, October 2011
	SDSU Research Symposium (Poster Presentation), *Semigraphoids and their varieties*, San Diego, California, February 2011
RESEARCH VISITS	TU Berlin, Host: Martin Henk, April-June 2015, July 2016
WORKSHOPS	BMS Summer School, Convex Geometry - Discrete and Computational, Berlin, Germany, July 2015
	IHP Winter School, Combinatorial and Algorithmic Aspects of Convexity, Paris, France, January 2015
	IMA Summer Graduate Program, Algebraic Geometry for Applications, Atlanta, Georgia, June - July 2012
	MSRI Summer Graduate Workshop, Commutative Algebra, Berkeley, California, June 2011
	MSRI Summer Graduate Workshop, Algebraic, Geometric, and Combinatorial Methods for Optimization, Berkeley, California, August 2010
PROFESSIONAL EXPERIENCE	**Analyst, Strategic Operations, Encore Capital Group** April 2007 - December 2008 San Diego, California
	Junior Consultant, Business Valuations, Chiltern plc July 2006 - December 2006 London, United Kingdom (6-month work visa)
	Actuarial Analyst, Oxford Life Insurance Company August 2005 - June 2006 Phoenix, Arizona