

VICTOR GINSBURG

Citizenship: United States

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EDUCATION

University of California, Berkeley

- Ph.D., Mathematics (August 2022–present).
- Co-advised by Shirshendu Ganguly and Svetlana Jitomirskaya.
- Partially supported by a National Science Foundation Graduate Research Fellowship.

Pennsylvania State University

- B.S., Mathematics, *cum laude with Honors* (May 2022).

PUBLICATIONS AND PREPRINTS

3. **Last passage percolation in hierarchical environments** (joint with Shirshendu Ganguly and Kyeongsik Nam). Preprint. [arXiv:2411.08018](https://arxiv.org/abs/2411.08018)
2. **Pinning, diffusive fluctuations, and Gaussian limits for half-space directed polymer models**. *Electronic Journal of Probability* (2024). [doi:10.1214/24-EJP1205](https://doi.org/10.1214/24-EJP1205).
1. **On maps preserving Lie products equal to a rank-one nilpotent** (joint with Hayden Julius and Ricardo Velasquez). *Linear Algebra and its Applications* (2020). [doi:10.1016/j.laa.2020.02.007](https://doi.org/10.1016/j.laa.2020.02.007).

CONFERENCES AND WORKSHOPS ATTENDED

- **Summer Graduate School – Stochastic Quantization**
MSRI/SLMath (July 2024).
- **Workshop on KPZ Meets KPZ**
Fields Institute (March 2024).
- **Dimers: Combinatorics, Representation Theory and Physics**
ITS at the CUNY Graduate Center (August 2023).
- **Summer Graduate School – Concentration Inequalities and Localization Techniques in High Dimensional Probability and Geometry**
MSRI/SLMath (July 2023).
- **Summer School on Random Matrix Theory and Its Applications**
The Ohio State University (May 2023).
- **Graduate Student Concentration Week on Metric Geometry**
Texas A&M University (July 2022).

- **Random Matrix Theory Summer School**

University of Michigan (June 2022).

- **Workshop in Convexity and High-Dimensional Probability**

Georgia Institute of Technology (May 2022).

RESEARCH TALKS

1. *Last passage percolation in hierarchical environments*. Probability seminar, UC Berkeley, November 2024.

TEACHING

University of California, Berkeley

- Reader, INDENG 222: Financial Engineering Systems I (Spring 2025).
- Reader, MATH 224A: Mathematical Methods for the Physical Sciences (Fall 2023).
- Graduate Student Instructor, MATH 54: Linear Algebra and Differential Equations (Spring 2023).
- Graduate Student Instructor, MATH 54: Linear Algebra and Differential Equations (Fall 2022).
- Supervised the following undergraduate reading courses via UC Berkeley Directed Reading Program:
 - Tommy Kim, Fourier methods in additive combinatorics (Fall 2023).
 - Leonard Delgadillo, Markov chain mixing times (Fall 2022).

Pennsylvania State University

- 200-Level Math Tutor, Penn State Learning (August 2020–December 2021).
 - Provided drop-in tutoring to undergraduates taking introductory linear algebra, multivariable calculus, and differential equations.
 - Completed pedagogical training tailored for peer tutoring.
- Grader, Math 311M/311W: Honors/non-Honors Concepts of Discrete Mathematics (Fall 2020).

AWARDS

- Student Marshal, Penn State Department of Mathematics (Spring 2022).
- Steven and Sherry McCrystal Mathematics Award (2021).