

## Academic Appointments

2025 – **Brown University**  
Prager Assistant Professor  
Division of Applied Mathematics

## Education

2020 – 2025 **Princeton University**  
PhD in Applied Mathematics  
NSF Graduate Fellow  
*Thesis: “Vector-valued concentration inequalities on discrete spaces”*  
Advisor: Ramon van Handel

2016 – 2020 **Brown University**  
Sc.B. with Honors in Applied Mathematics  
*Honors Thesis: “Locally Interacting Markov Chains on Heterogeneous and Random Graphs”*  
Advisor: Kavita Ramanan

## Publications and preprints

*Vector-valued concentration inequalities on the biased discrete cube*, 2024.  
[arXiv:2410.09607](https://arxiv.org/abs/2410.09607)

*Assembly of the Lactuca sativa, L. cv. Tizian draft genome sequence reveals differences within major resistance complex 1 as compared to the cv. Salinas reference genome*, with B. Verwaaijen, D. Wibberg, J. Nelkner, O. Rupp, A. Winkler, A. Bremges, J. Blom, R. Grosch, A. Pühler, A. Schlüter, *Journal of Biotechnology*, Volume 267, 10 February 2018, Pages 12-18, ISSN 0168-1656. [doi.org/10.1016/j.jbiotec.2017.12.021](https://doi.org/10.1016/j.jbiotec.2017.12.021)

## Invited Talks

2025 Applied Math Seminar, Tufts University; Analysis Seminar, Brown University; Geometric Nonlinear Functional Analysis Workshop, Casa Matemática, Oaxaca; PACM Graduate Student Seminar; Recent Developments on Mixing Times Workshop, Simons Center, Stony Brook; Vienna Probability Seminar.

- 2024 Online Asymptotic Geometric Analysis Seminar; LA Probability Forum; Dual Trimester Program: “Boolean Analysis in Computer Science”, Hausdorff Institute, Bonn; Penn/Temple Probability Seminar; Probability and Analysis Webinar (online); “What is ...?” Seminar, Institute for Advanced Study, Princeton; Hausdorff Institute Trimester Seminar, Bonn; PACM Colloquium, Princeton University; Analysis Seminar, Stony Brook University.
- 2023 Probability Seminar, Lehigh University; Northeast Probability Seminar, NYU.
- 2021 PACM Graduate Student Seminar, Princeton University.
- 2020 Probability Seminar, Brown University.

## Awards & Fellowships

- 2020 National Science Foundation Graduate Research Fellowship
- 2020 Ron Truett Premium Prize, Division of Applied Mathematics, Brown University
- 2019 Karen T. Romer Undergraduate Teaching and Research Award
- 2019 Phi Beta Kappa Honor Society
- 2018 MAA Outstanding Student Paper Session Presentation Award
- 2016 Hartshorn-Hypatia Examination for Excellence in Preparatory Mathematics (1st prize)

## Leadership & Outreach

- 2021 – 2023 Noetherian Ring Seminar Organizer, Princeton
- 2022 Reading Group Instructor, Momentum 4 Ukraine, Princeton University.
- 2020 – 2021 Graduate Student Seminar Organizer, Princeton PACM
- 2020 – 2025 Peer Math Advising, Princeton University
- 2020 – 2022 Mentoring Möbius, Princeton University
- 2020 – 2021 STEM Women’s Leadership Council, Princeton University
- 2016 – 2020 Association for Women in Mathematics, Undergraduate President, Brown University

## Teaching

- Fall 2025 Introduction to Mathematical Writing, Brown University.
- Spring 2024 Multivariable Calculus for Economics/Life Sciences, Princeton University (teaching assistant)

Fall 2018	Accelerated Introduction to Computer Science, Brown University (teaching assistant)
Fall 2017	Ordinary Differential Equations, Brown University (teaching assistant).
Fall 2017	Data-centric Intro to Programming, ( <i>course for students from University of Puerto Rico displaced by Hurricane Maria</i> ), Brown University (volunteer teaching assistant)
2016 - 2020	L <sup>A</sup> T <sub>E</sub> X Workshop Instructor, Brown University.