Curriculum Vitae
Miriam (Mira) Gordin
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Education

2020 –	**Princeton University**
	PhD Student, Program in Applied and Computational Mathematics
	NSF Graduate Fellow
2016 – 2020	**Brown University**
	Sc.B. with Honors in Applied Mathematics
	Honors Thesis: "Locally Interacting Markov Chains on Heterogeneous and Random Graphs"
	Advised by Kavita Ramanan

Research Internships

Undergraduate Teaching and Research Award — Brown University
Advised by: Prof. Kavita Ramanan — Summer 2019
Project title: *Markov Chains on Large Sparse Networks*

SMALL REU Program — Williams College
Advised by: Prof. Mihai Stoiciu — Summer 2018
Project title: *Spectral Properties of Non-Hermitian Anderson Operators*

Nerreti Lab — Brown University
Advised by: Prof. Nicola Neretti — Summer 2017

Center for Biotechnology (CeBiTec) — University of Bielefeld
Advised by: Dr. Bart Verwaaijen — Summer 2016

Plant Biochemistry and Physiology Research Group — University of Bielefeld
Advised by: Prof. Karl-Josef Dietz — Summer 2015

Awards & Fellowships

2020	National Science Foundation Graduate Research Fellowship
2020	Ron Truell Premium Prize, Division of Applied Mathematics, Brown University
2020	Sigma Xi Honor Society (Associate Member)
2019	Karen T. Romer Undergraduate Teaching and Research Award
2019	Phi Beta Kappa
2018	Brown Mathematical Contest for Modeling (2nd Place)
2018	MAA Outstanding Student Paper Session Presentation Award
2016	Hartshorn-Hypatia Examination for Excellence in Preparatory Mathematics (1st prize)

Publications

B. Verwaaijen, D. Wibberg, J. Nelkner, M. Gordin, O. Rupp, A. Winkler, A. Bremges, J. Blom, R. Grosch, A. Pühler, A. Schlüter, 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, *Journal of Biotechnology*, Volume 267, 10 February 2018, Pages 12-18, ISSN 0168-1656.   [link]

Teaching

Fall 2018, Teaching Assistant, Accelerated Introduction to Computer Science, Brown University.

Fall 2017, Teaching Assistant, Ordinary Differential Equations, Brown University.

Fall 2017, Volunteer Teaching Assistant, Data-centric Intro to Programming, *(course for students from University of Puerto Rico displaced by Hurricane Maria)*, Brown University.

Fall 2016 – Spring 2020, LaTeX Workshop Leader, Brown Science Center.

Presentations

Talks

2021   *Locally Interacting Markov Chains on Random and Heterogenous Graphs*, PACM Graduate Student Seminar, Princeton University.

2020   *Locally Interacting Markov Chains on Random and Heterogenous Graphs*, Honors Thesis Presentation, Brown University.

2020   *Locally Interacting Markov Chains on Random and Heterogenous Graphs*, Symposium for Undergraduates in the Mathematical Sciences, Brown University.

2019   *Non-Hermitian Anderson Operators and their Spectral Properties*, AMS Contributed Paper Session on Probability Theory and Stochastic Processes, JMM.

2018   *Matrix Models for the Circular β Ensemble and Non-Hermitian Anderson Operators*, Brown University.

2018   *Non-Hermitian Anderson Operators and their Spectral Properties*, MAA Undergraduate Student Paper Session, MAA Mathfest.

Posters

2019   *Approximations of Marginal Dynamics for Voter Models on (Possibly Random) Graphs*, Undergraduate Summer Research Symposium, Brown University.

2018   *Non-Hermitian Anderson Operators and their Spectral Properties*, Undergraduate Research Poster Session, Brown University.

2018   *Non-Hermitian Anderson Operators and their Spectral Properties*, Summer Science Poster Presentation, Williams College.

Leadership & Outreach

Activities

2020 –	Graduate Student Seminar, Princeton PACM, organizer
2020 –	Peer Math Advising, Princeton, graduate mentor
2020 –	Mentoring Möbius, Princeton mathematics, graduate mentor
2020 –	STEM Women's Leadership Council, Princeton University
2016 – 2020	Association for Women in Mathematics, Undergraduate President, Brown University
2019	JMM AMS Contributed Session on Probability Theory and Stochastic Processes, Session Chair
2018 – 2020	Brown Applied Mathematics Peer Advising
2018	Williams College SMALL REU Program, Social Chair
2017 – 2018	New Scientist Collective, Peer Mentor for Underrepresented Groups in STEM

Panels

2020	Math Club Graduate School Application Panel, Princeton
2020	Math REU Conference Grad School Panel, University of Connecticut
2020	Applied Math Undergraduate Research Panel, Brown University
2019	AWM Graduate School Panel (Moderator), Brown University
2019	Women in Computer Science Summer Opportunities Panel, Brown University
2018	AWM Undergraduate Research Panel, Brown University
2018	Women in Computer Science Intro Courses Panel,Brown University
2018	Math Camp for High School Students Panel, Williams College

Skills

Languages:	English (native), German (fluent), Russian (fluent).
Technical	Mathematica, Python, MATLAB, Bash, R, Java, C, Perl, HTML, CSS.