Curriculum Vitae – Marisa Gaetz

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EDUCATION

Massachusetts Institute of Technology Ph.D. Candidate in Mathematics, advised by David Vogan	Fall 2020- GPA: 5.0/5.0
Massachusetts Institute of Technology B.S. Mathematics and Minor in Philosophy	2016–2020 GPA: 4.9/5.0
JOB EXPERIENCE	
Research Scientist at Bill & Melinda Gates Foundation Institute for Disease Modeling Adjunct Faculty Member at Georgetown University (Prison and Justice Initiative) Co-Founder and President of Brave Behind Bars, Inc. (computer education for incare	2023–
SELECTED AWARDS	
MIT Mathematics Award for Service to the Math Community George Lusztig PRIMES Mentorship for Exceptional Mentor Service MLK Jr. Leadership Award NSF Graduate Research Fellowship Fannie & John Hertz Fellowship Alice T. Schafer Mathematics Prize Honorable Mention	
SELECTED PAPERS	
 Disconnected reductive groups (with D. A. Vogan, Jr.), J. Lie Theory 34 (2024) 2, 4 From Prisons to Programming: Fostering Self-Efficacy via Virtual Web Design Curri (with M. Nisser et al.), Proceedings of the ACM CHI Conference (2024) 1–13. Dual pairs in complex classical groups and Lie algebras. arXiv:1910.07592 (2024). Anti-power j-fixes of the Thue-Morse word, Discrete Math. Theor. Comput. Sci. 23 (Enumeration and extensions of word-representants (with C. Ji), Discrete Appl. Math Quantifying CDS sortability of permutations by strategic pile size (with B. Flanagan e gorithms Appl. 12 (2020) 1. Support equalities among ribbon Schur functions (with W. Hardt and S. Sridhar), (2019) 3, P3.52. 	cula in Prisons and Jails (2021) 1 284 (2020). t al.), <i>Discrete Math. Al</i> -
SELECTED SERVICE & TEACHING	
Coordinator of MIT's PRIMES Circle mathematics program for high school students Head of The Educational Justice Institute's Computer Education Committee Member of MIT Math Dept.'s Diversity and Community Building Committee Organizer of MIT's Pure Math Graduate Student Seminar	
OTHER EXPERIENCE	
AMSI-MSRI Winter School: New Directions in Representation Theory	
LANGUAGES	

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· Programming/Markup: LATEX, Python, HTML, CSS, JavaScript, SQL