SHEELA DEVADAS

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EDUCATION

S.B. in Mathematics	Massachusetts Institute of Technology, Cambridge, MA	**6/2015**
Ph.D. in Mathematics	Stanford University, Stanford, CA	**1/2021**

EMPLOYMENT

NSF Postdoctoral Fellow	University of Washington, Seattle, WA	**9/2021 - 9/2024**

PUBLICATIONS & PREPRINTS

- (With Lieblich, M.) Cohomological containers. (2024) arXiv.
- GAGA for Henselian schemes. (2023) arXiv.
- Henselian schemes in positive characteristic. (2022) arXiv.
- (With Sun, Y.) The polynomial representation of the type A_{n-1} rational Cherednik algebra in characteristic $p \mid n$. *Communications in Algebra, 45*(5), 1926-1934. (2017) doi: 10.1080/00927872.2016.1226866. arXiv.
- (With Rubinfeld, R.) A Self-Tester for Linear Functions over the Integers with an Elementary Proof of Correctness. *Theory of Computing Systems.* (2014) doi: 10.1007/s00224-015-9639-z. arXiv.
- (With Sam, S. V.) Representations of rational Cherednik algebras of $G(m, r, n)$ in positive characteristic. *Journal of Commutative Algebra, 6*(4), 525-559. (2014) doi: 10.1216/JCA-2014-6-4-525. arXiv.

FELLOWSHIPS & AWARDS

National Science Foundation Mathematical Sciences Postdoctoral Research Fellowship	National Science Foundation (NSF)	**2021**
NSF Graduate Research Fellowship	NSF	**2015**
Stanford Graduate Fellowship	Stanford University	**2015**
Enhancing Diversity in Graduate Education Doctoral Fellowship	Stanford University	**2015**
Alice T. Schafer Mathematics Prize for Excellence in Mathematics by an Undergraduate Woman	Association for Women in Mathematics	**2015**

TEACHING

MATH 403	Introduction to Modern Algebra (Group Theory) University of Washington (UW)	**3/2024 - 6/2024**
MATH 402	Introduction to Modern Algebra (Ring Theory) UW	**1/2024 - 3/2024**
MATH 402 & 403	Introduction to Modern Algebra UW	**1/2023 - 6/2023**

ASSISTANTSHIPS

Course Assistant	Southwest Center for Arithmetic Geometry Arizona Winter Semester: Virtual School in Number Theory Quadratic Forms and the Local-Global Principle	**3/2021 - 5/2021**
Administrative Teaching Assistant	Stanford University MATH 51 Linear Algebra, Multivariable Calculus and Modern Applications	**9/2020 - 12/2020**
Graduate Teaching Assistant	Stanford University MATH 61DM Modern Mathematics: Discrete Methods	**9/2018 - 12/2018**
	Stanford University MATH 51 Linear Algebra and Differential Calculus in Several Variables	**9/2017 - 12/2017**

MENTORING EXPERIENCE

Lead Research Mentor	Program in Mathematics for Young Scientists Boston University	**7/2018 - 8/2018**

- Mentored undergraduate counselors and high school students working on ten mathematics research projects in number theory, combinatorics, discrete probability, and other subfields
- Co-lead mentor with David Fried

Research Mentor	Program for Research in Mathematics, Engineering, and Science for High School Students Mass. Inst. of Technology	**1/2016 - 12/2016**

- Mentored and guided a high school student in research in combinatorial geometry
- Supervised by Prof. Ravi Vakil of Stanford University

CONFERENCES & WORKSHOPS

Collaborative Workshop in Algebraic Geometry	Institute for Advanced Study Princeton, NJ Experiments with Ceresa cycles of low genus curves	**6/2024**
FRG workshop on Brauer groups and derived categories	Northwestern University Evanston, IL	**10/2023**
Stacks Project Workshop	University of Michigan Ann Arbor, MI Solid Modules and Coherent Duality	**8/2023**
Mathematical Sciences Research Institute (MSRI) Summer Graduate School	MSRI Berkeley, CA Automorphic Forms and the Langlands Program	**7/2017 - 8/2017**

INVITED TALKS

Colloquium *Brauer containers*	Center for Communications Research, Princeton, NJ	**3/28/2024**