Dylan Galt

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EDUCATION

2020 -	**Stony Brook University** Ph.D. in Mathematics Advisor: Simon Donaldson
2016-2020	**Princeton University** B.A. in Mathematics

AWARDS & HONORS

2022-2024	**Funded by Simons Collaboration** Collaboration on Special Holonomy in Geometry, Analysis, and Physics
2023	**SUNY GREAT (Graduate Research Empowering and Accelerating Talent) Award** Stony Brook University
2022	**Departmental Award for Excellence in Teaching** Stony Brook University
2022	**NSF GRFP Honorable Mention**

PUBLICATIONS & PREPRINTS

2024	**Dimension reductions in instanton theory** with Langte Ma *arxiv: 2405.17086*
2023	**Cohomology at infinity and the well-tempered complex** with Mark McConnell *arxiv: 2301.10817*
2021	**Computing Hecke operators for arithmetic subgroups of Sp_4** with Mark McConnell *Euro-Tbilisi Math. J. special volume on Cohomology, Geometry, Explicit Number Theory*

INVITED TALKS & PRESENTATIONS

July 2023	**BIG Workshop: Geometric flows and related topics**

TEACHING

2020 -	**Teaching Assistant, Stony Brook University** Calculus I (2 semesters); Real Analysis I (2 semesters); Applied Abstract Algebra; Geometry for Teachers; Language, Logic, and Proof (1 semester, 3 summer sessions)
2022	**Lecturer at Stony Brook Institute for STEM Education Summer Math Camp**
2021	**Lecturer for Stony Brook Saturday Summer math program**

2021	**Guest Lecturer for Stony Brook graduate end-of-semester talks** Program run by undergraduate math club

SERVICE & OUTREACH

2023-	**Co-founder and co-organizer of ENYGMMa (Empowering New York Gender Minority Mathematicians)** Seminar series held in rotation at Stony Brook, Columbia, CUNY, and NYU.
2022-	**Co-organizer of the Directed Reading Program at Stony Brook** Program that pairs undergraduate math students with graduate mentors for a semester-long reading project.
2022	**Co-organizer of a learning seminar for graduate students** Gauge theory student seminar on deformations of multivalued harmonic functions.

REFERENCES

Simon Donaldson (Ph.D. Advisor)
Imperial College London
Simons Center for Geometry and Physics
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H. Blaine Lawson
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