Daniel Minahan

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Curriculum Vitae

EDUCATION

BSc. Arts, High Honors `2014-2018`
University of Michigan
> Double major in math and computer science. 3.9 GPA overall, 3.9 in Math and 3.9 in CS

PhD Mathematics `2018-Present`
Georgia Institute of Technology
> Second year PhD student, studying geometric groarch

Research Experiences for Undergraduates (REU) `Summer 2016`
I worked with Prof. Ilya Volkovich at the University of Michigan on Algebraic Complexity. The outcomes of this research study were published in a leading TCS conference (CCC).

TEACHING EXPERIENCE

EECS 376 IA `2017-2018`
University of Michigan

Calculus II TA `2018, 2020`
Georgia Tech

Linear Algebra TA `2019`
Georgia Tech

Calculus I Lead Instructor `Summer 2019`
Georgia Tech

AWARDS

Collegiate	Jack McLaughlin Award in Algebra
Collegiate	EECS Scholar
Collegiate	Eight University Honors
Collegiate	Outstanding Achievement in Mathematics
Graduate	Presidential Fellowship
Graduate	David L. Brown Fellowship

PUBLICATIONS

Daniel Minahan and Ilya Volkovich
"Complete Derandomization of Identity Testing and Reconstruction of Read-Once Formulas"
The 32nd Annual Computational Complexity Conference (CCC) 2017, pp. 32:1-32:13

Stephen McKean, Daniel Minahan and Tianyi Zhang
"All Lines On a Smooth Cubic Surface In Terms of Three Skew Lines"
Submitted 2020

Dan Margalit and Daniel Minahan
"The Homotopy Type of the Complex of Curves via Morse Theory"
In preparation

Daniel Minahan
"The Connectivity of the Complex of Separating Curves For Surfaces With Boundary"
In preparation

CONFERENCES

2019	ICERM Complex Dynamics
2019	Tech Topology
2020	Topology Students Workshop