

# Irit Huq-Kuruvilla

Curriculum Vitae

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**Office:** 334 McBryde Hall

**Citizenship:** USA

**Research interests** Enumerative Geometry, Gromov-Witten theory, Quantum  $K$ -theory

**Employment** **Virginia Tech Department of Mathematics** Blacksburg, VA  
Patricia Caldwell Postdoctoral Scholar August 2023 – May 2025

**Education** **University of California Berkeley** Berkeley, CA  
PhD in Mathematics August 2017 – May 2023  
Supervisor: Alexander Givental

**Columbia University** New York, NY  
BA in Mathematics August 2013 – May 2017

**Honors and awards** NSF GRFP (National Science Foundation) 2018  
Science Research Fellowship (Columbia University) 2013

**Publications & Preprints** **Multiplicative Quantum Cobordism Theory**  
Irit Huq-Kuruvilla  
arXiv 2101.09305

**Reeb Dynamics of the Link of the  $A_n$  Singularity**  
Leonardo Abbrescia, Irit Huq-Kuruvilla, Jo Nelson, Nawaz Sultani  
*Involve*, 2016.

**Teaching** **Instructor, Math, Virginia Tech** Fall 2023  
Math 3134: Applied Combinatorics

**Graduate Student Instructor, Math (UC Berkeley)** 2017-2018, Fall 2020  
Courses: Math 1A: Calculus, Math 1B: Calculus, Math 54: Linear Algebra & Differential Equations, Math 110: Linear Algebra

**Teaching Assistant, Math (Columbia)** 2014-2016  
Math GU4041: Intro to Modern Algebra I, Math UN3007: Complex Variables,  
Math UN3020: Number Theory & Cryptography