Randall R. Van Why Jr.

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Education

Princeton University	Princeton, NJ
Trailing PhD. Student	*Sep. 2017 – Present*
Northwestern University	Evanston, IL
PhD. Mathematics	*Sep. 2017 – Present*
Institute for Advanced Study	Princeton, NJ
Visiting Graduate Student	*Oct. 2019*
University of Chicago	Chicago, IL
MSc. in Physical Science	*Sep. 2016 – June 2017*
New Mexico Institute of Mining and Technology (NMT)	Socorro, NM
BSc. in Mathematics with minor in Computer Science; Summa cum laude	*Aug. 2012 – May 2016*

Interests: Symplectic and Contact Geometry, Low-dimensional Topology

Teaching

Teaching Assistant/Grading

Northwestern University Math 382	
Complex Analysis	*TA/Grader*
Northwestern University Math 344	
Abstract Linear Algebra	*TA/Grader*
Northwestern University Math 300	
Foundations of Higher Mathematics	*TA/Grader*
Northwestern University Math 290	
Linear Algebra	*TA/Grader*
Northwestern University Math 240	
Matrix Algebra	*TA/Grader*
Northwestern University Math 234	
Multivariable Integral Calculus	*TA/Grader*
Northwestern University Math 230	
Multivariable Differential Calculus	*Exam Grader*
Northwestern University Math 224	
Single Variable Integral Calculus	*Exam Grader*
Northwestern University Math 234	
Multivariable Integral Calculus	*Exam Grader*

Mentorship

Northwestern University DRP	Evanston, IL
Graduate Mentor	*2019*
Northwestern University Mathematics Department	Evanston, IL
Graduate Tutor	*2017-2018*
University of Chicago REU	Chicago, IL
Graduate Mentor	*2016,2017,2018,2019,2020*

Conferences and Seminars

Mathematical

Graduate Student Topology/Geometry Conference
Indiana University
Online
April 2021

Eighth Pacific Rim Conference in Mathematics
University of California Berkeley
Online
August 2020

Southern California Geometric Analysis Summer School
University of California Irvine
Irvine, CA
February 2020

Southern California Geometric Analysis Summer School
University of California Irvine
Irvine, CA
February 2020

Summer Northwestern Analysis Program (SNAP)
Northwestern University
Evanston, IL
August 2019

Graduate Summer School on the Homological Algebra of Mirror Symmetry
Fields Institute
Toronto, Canada
July 2019

Current Trends in Symplectic Topology
Centre de Recherches Mathématiques
Montreal, Canada
July 2019

Kylerec 2019
Graduate Workshop
Truckee, CA
June 2019

Tsyganfest
Northwestern University
Evanston, IL
May 2018

UChicago/Northwestern Geometric Analysis Day
Northwestern University
Evanston, IL
April 2019

Graduate Student Topology and Geometry Conference
University of Illinois at Urbana-Champaign
Champaign-Urbana, IL
March 2019

Virginia Topology Conference
University of Virginia
Charlottesville, VA
December 2018

MSRI Summer Graduate School: The h-Principle
University of Tokyo
Tokyo, Japan
June/July 2018

Graduate Student Topology/Geometry Conference
University of Illinois at Chicago
Chicago, IL
April 2018

Geometric Analysis Day 2018
University of Chicago
Chicago, IL
March 2018

Southern California Geometric Analysis Seminar
University of California Irvine
Irvine, CA
January 2018

2017 Midwest Geometry Conference
Kansas State University
Manhattan, KS
November 2017

Summer Northwestern Analysis Program (SNAP)
Northwestern University
Evanston, IL
June-July 2017

Thematic Program on Kähler Geometry
University of Notre Dame
Notre Dame, IN
June 2017

UChicago Geometric Analysis Learning Seminar
University of Chicago
Chicago, IL
October 2016

University of Chicago Geometry and Topology Summer School
University of Chicago
Chicago, IL
August 2016

University of Chicago REU
University of Chicago
Chicago, IL
June 2015

AMS Sectional Meeting
University of New Mexico
Albuquerque, NM
April 2014

Non-Mathematical

2020 Big Data Conference   Online
Center of Mathematical Sciences and Applications   *August 2020*

NU NTAC   Evanston, IL
Northwestern University   *September 2018*

UC SACNAS   Chicago, IL
University of Chicago   *May 2017*

HENAAC Conference   Pasadena, CA
Poster presenter   *October 2015*

Tapia Conference   Boston, MA
Poster presenter   *February 2015*

HENAAC Conference   New Orleans, LA
Scholarship recipient   *October 2014*

HENAAC Conference   New Orleans, LA
Scholarship recipient   *October 2013*

CSAW CTF   New York City, NY
New York University   *November 2012*

HENAAC Conference   Orlando, FL
Scholarship recipient   *October 2012*

Talks

Conference Talks

Kylerec 2019   Truckee, CA
Liouville and Weinstein Skeleta   *June 2019*

Seminar Talks

Notre Dame Geometry Group Seminar   South Bend, IN
Linear Plumbings of Disk Bundles over Spheres and Symplectic Divisors with Normal Crossings   *July 2021*

Northwestern Geometry Group Seminar   Evanston, IL
Linear Plumbings of Disk Bundles over Spheres and Symplectic Divisors with Normal Crossings   *May 2021*

Northwestern Graduate Student Seminar   Evanston, IL
Milnor's Fibration Theorem   *January 2021*

Notre Dame Graduate Student Seminar   South Bend, IN
Milnor's Fibration Theorem   *December 2020*

Northwestern Geometry Group Seminar   Evanston, IL
Symplectic Divisors and Biran-Giroux Decompositions   *September 2020*

UCLA Special Seminar on Flexibility in Symplectic and Contact Geometry   Los Angeles, CA
Flexibility and Plastikstufe   *July 2020*

Geometry for All Seminar   Evanston, IL
Symplectic Geometry   *March 2020*

Special Symplectic Geometry Seminar   Evanston, IL
Donaldson's Divisor Theorem   *January 2020*

Northwestern Graduate Student Seminar   Evanston, IL
4-Manifolds   *March 2019*

Special Seminar on Gromov's Compactness Theorem for J-Holomorphic Curves   Evanston, IL
Eliashberg's Method of Filling by J-Holomorphic Curves   *March 2019*

Special Seminar on Gromov's Compactness Theorem for J-Holomorphic Curves	Evanston, IL
Gromov's Compactness Theorem	*February 2019*
Special Seminar on Gromov's Compactness Theorem for J-Holomorphic Curves	Evanston, IL
Higher derivative bounds	*January 2019*
New Mexico Tech Philosophy of Mathematics Seminar	Socorro, NM
Various Topics	*2015-2017*
New Mexico Tech ACM	Socorro, NM
Elliptic Curve Cryptography	*February 2016*
New Mexico Tech Topology Seminar	Socorro, NM
The h-Cobordism Theorem	*Fall 2015*
New Mexico Tech Colloquium	Socorro, NM
Configuration Spaces, Braid Groups, and Polynomials	*September 2015*
UChicago REU	Chicago, IL
Configuration Spaces, Braid Groups, and Polynomials	*August 2015*

Memberships and Sponsors

Graduate:

Supported by NSF Grant DMS-1502632 (2018-Present)

Northwestern University Fellowship (2017-2018)

HSF Graduate Scholar

Association for Women in Mathematics

American Mathematical Society

Undergraduate:

New Mexico Tech Deans List (2012 - 2016)

NAVSEA/SPAWAR Scholarship (2012 and 2013)

Lockheed Martin Sholarship (2014-2015)

Mills Family Scholarship (2013-2016)

Maurice Greenberg Scholarship (2015-2016)