

# **Jared Holshouser**

Department of Mathematics

Norwich University

## **A. Education**

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Ph.D. Mathematics	University of North Texas, Denton, TX, 2017
M.S. Mathematics	University of North Texas, Denton, TX, 2013
B.S. Mathematics	University of Texas at Austin, Austin, TX, 2010

## **B. Relevant Employment**

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2020 – Present	Assistant Professor, Department of Mathematics, Norwich University
2017 – 2020	Assistant Professor, Department of Mathematics and Statistics, University of South Alabama
2010 – 2017	Teaching Fellow, Department of Mathematics, University of North Texas

## **C. Duties and Assignments at Norwich**

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Courses taught while at Norwich:

- MA 095 Intermediate Algebra
- MA 101 Mathematics: A Liberal Art
- MA 107 Precalculus
- MA 122 Calculus II
- MA 220 Geometry in Action
- MA 232 Elementary Statistics
- MA 306 Discrete Mathematics
- MA 308 Modern Geometry
- MA 411 Senior Seminar

Areas of Scholarship:

- Set Theoretic Topology: Selection Games

## D. Professional Activities

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### Peer Reviewed Publications

- *Selection Games and the Vietoris Space*, Chris Caruvana and Jared Holshouser, *Topology and its Applications*, Volume 307, 2022.
- *Selection Games on Hyperspaces*, Chris Caruvana and Jared Holshouser, *Topology and its Applications*, Volume 300, 2021.
- *Selection Games on Continuous Functions*, Chris Caruvana and Jared Holshouser, *Topology and its Applications*, Volume 279, 2020.
- *Closed Discrete Selection in the Compact Open Topology*, Chris Caruvana and Jared Holshouser, *Topology Proceedings*, Volume 56, 2020.
- *Limited Information Strategies and Discrete Selectivity*, Steven Clontz and Jared Holshouser, *Topology and its Applications*, Volume 265, 2019.

### Manuscripts Under Review, Articles, Preprints

- *Selection Games with Minimal Cusco Maps*, In progress
- *Translation Results for Some Star-Selection Games*, Chris Caruvana and Jared Holshouser, under review in *Topology and its Applications*.

### Student Projects Supervised

- *A Study of Hyperbolic Geometry*, Gianna Romatis, Senior Seminar, Spring 2023 (co-advised with Sean Kramer).
- *An Introduction to Analytic Geometry*, Karim Castillejos, Senior Seminar, Fall 2022.
- *A Dynamic Reference for Special Plane Curves*, Ilyes Hasani, Norwich University apprentice grant, Summer 2022.
- *Network Interpolation*, Melanie Lim, University of South Alabama Undergraduate Research.

### Conference Talks

- *Limited Information Strategies in Star Selection Games*, 56<sup>th</sup> Spring Topology and Dynamical System Conference, March 2023.
- *Translation for a Star Selection Game on the Pixley-Roy Hyperspace*, 55<sup>th</sup> spring Topology and Dynamical System Conference, March 2022.
- *Successes and Failures in Translating Strategies Across Selection Games*, AMS Fall Southeastern Sectional Meeting, Virtual, November 2021.
- *Selection Games in Hyperspace Topologies*. Conference talk at the 54th Spring Topology and Dynamical Systems Conference, Virtual, May 2021.
- *Selection Games: Equivalence and Duality*. Conference talk at the Joint Math Meetings, Denver, CO, January 2020.
- *Selection Games on Continuous Functions*. Conference talk at the AMS Fall Central Sectional Meeting, Madison, WI, September 2019.

- *Limited Information Strategies and Discrete Selectivity*. Conference talk at the 53<sup>rd</sup> Spring Topology and Dynamical Systems Conference, Birmingham, AL, March 2019.
- *Calibrating the Size of Complicated Quotients*. 52<sup>nd</sup> Spring Topology and Dynamical Systems Conference, Auburn, AL, March 2018.

#### Seminar Talks

- *Successes and Failures in Translating Strategies Across Selection Games*, Carolinas Topology Seminar, University of North Carolina, Charlotte, Virtual, December 2021.
- *Mathematical Descriptions of Infinity*, Mathematics Colloquium Series, Norwich University, Northfield, VT, October 2021.
- *Translating Strategic Information Across Selection Games*. Pitt Topology Seminar, University of Pittsburgh, Virtual, January 2021.
- *Compactness, Continuous Functions, and Games*. Undergraduate Math Seminar, Berry College, Athens, GA, November 2019.
- *Limited Information Strategies and Discrete Selectivity*. Math Colloquium, University of South Alabama, Mobile, AL, March 2019.
- *Geometric Constructability Through Origami*. Undergraduate Math Circle, Centenary College, Shreveport, LA, October 2018.

#### Workshops, Training, Minicourses

- CheckIt Author Workshop, May 2021.
- Project NExT, Virtual, August 2020.
- Project NExT, Denver, CO, January 2020.
- Project NExT, Cincinnati, OH, July 2019.
- MAA Mathfest, Cincinnati, OH, July 2019.
- Closing the Preparation Gap, Professional Development Workshop, University of South Alabama, March 2018.

## **E. University Committees and other Assignments**

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### Departmental Service

- Assisted with the Integration Bee (Spring 2023)
- Visiting Assistant Professor Search Committee (Spring 2023)
- Assisted with the Putnam Exam (Fall 2022)
- MA 232 Textbook committee (Spring 2023)
- Course Champion for MA107 Precalculus (Fall 2022 and Spring 2023)
- Faculty Course Coordinator for MA101 Mathematics: A Liberal Art (Fall 2020, Spring 2021, Fall 2021, and Spring 2022).
- Assistant Professor Search Committee (Spring 2022)
- Norwich University CSI Experience Representative (April 7, 2022)
- Mathematics Open House Representative (March 19, 2022)

### Service at the College Level

- College Curriculum Committee (Fall 2021 - Spring 2023)
- General Education Summer Assessment for summer 2021.

### University Related Service and Activities

- Committee on Academic Technology Chair (Fall 2022 and Spring 2023).
- CASD committee member (Fall 2021 and Spring 2022).
- Faculty Development committee substitute (once in Fall 2021 and twice in Spring 2022).
- Academic Integrity committee member starting in the spring of 2021.

## **F. Professional and Scholarly Award, Honors, and Memberships**

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### Awards

- Apprentice Grant, Summer 2022.
- Curriculum Development Fellowship, Summer 2021.

### Honors

- Received “Excellence in Research” from the 2021 Norwich Faculty Scholarship Celebration.
- Mathematical Association of America Project NExT Fellow, 2019 – 2020.

### Active Memberships

- American Mathematical Society (AMS)
- Mathematical Association of America (MAA)
- Association for Symbolic Logic (ASL)