

James Henegan

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Current position

Graduate Student. Department of Data Science, University of Mississippi Medical Center

Education

2020	MS in Data Science and Biostatistics, University of Mississippi Medical Center (expected)
2017	PhD in Mathematics, University of Mississippi
2013	MA in Mathematics, University of Mississippi
2007	BS in Physics, Millsaps College

Grants, honors & awards

2018-20	Dean's Scholarship, John D. Bower School of Population Health, University of Mississippi Medical Center
2016-17	Graduate Assistance in Areas of National Need Fellowship, US Department of Education
2016	Dissertation Fellowship, Graduate School, University of Mississippi (hereafter denoted UM)
2016, -15, -14	Summer Research Assistantship, Graduate School, UM
2015	Travel Grant, Graduate School, UM
2015-2013	Graduate Teaching Assistantship (PhD Student), Department of Mathematics, UM
2013-2011	Graduate Teaching Assistantship (Master's Student), Department of Mathematics, UM
2016-17	<i>Member.</i> Phi Kappa Phi, UM
2017-2011	<i>Member.</i> American Mathematical Society
2007	<i>Member.</i> Sigma Pi Sigma, Millsaps College

Service to the profession

2017-15	<i>Webmaster.</i> AMS Graduate Student Chapter, UM
2017-2013	<i>Member.</i> AMS Graduate Student Chapter, UM
2016	<i>Invited Panelist.</i> Pi Mu Epsilon, UM
2013	<i>Graduate Coordinator of Technology.</i> AMS Spring Southeastern Sectional Meeting
2012	<i>Volunteer Grader.</i> High School Mathematics Tournament, UM

Teaching experience

as an ADJUNCT INSTRUCTOR at the University of Mississippi

Spring 2018	MATH 262 & 264	<i>Calculus II & IV</i>
Winter 2018	MATH 267	<i>Business Calculus I</i>
Fall 2017	MATH 262, 263 & 264	<i>Calculus II, III, & IV</i>
Summer 2017	MATH 263 & 264	<i>Calculus III & IV</i>

as a GRADUATE STUDENT INSTRUCTOR at the University of Mississippi

Fall 2016	MATH 261	<i>Calculus I</i>
Winter 2016	MATH 267	<i>Business Calculus I</i>
Fall 2015	MATH 115 & 261	<i>Introduction to Statistics & Calculus I</i>
Spring 2015	MATH 115	<i>Introduction to Statistics</i>
Fall 2014	MATH 123 & 115	<i>Trigonometry & Introduction to Statistics</i>
Spring 2014	MATH 115	<i>Introduction to Statistics</i>
Fall 2013	MATH 121 & 115	<i>College Algebra & Introduction to Statistics</i>
Spring 2013	MATH 121 & 267	<i>College Algebra & Business Calculus I</i>
Fall 2012	MATH 121	<i>College Algebra</i>

Tutoring experience

2015-2011	University of Mississippi. Undergraduate Mathematics
2011	Sylvan Learning Center. Jackson, MS. K-12 Mathematics
2010-2007	Huntington Learning Center. Pasadena, CA. K-12 Mathematics
2006-2004	Millsaps College. Undergraduate Physics

Mathematical research

Dissertation

2017	<i>Asymptotic Properties of Polynomials Orthogonal over Multiply Connected Domains</i>
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Presentations

2016	<i>The Reproducing Kernel of a Weighted Bergman Space.</i> Graduate Student Seminar, University of Mississippi
2015	<i>Asymptotics of Polynomials Orthogonal over Multiply Connected Domains with Analytic Boundary.</i> Casa Matemática Oaxaca – Banff International Research Station (CMO-BIRS) Workshop on Orthogonal and Multiple Orthogonal Systems
2014	<i>The Riemann Hilbert Approach to Polynomials Orthogonal with Respect to Nonclassical Weights.</i> Three Minute Thesis, University of Mississippi
2014	<i>Domain Coloring and the Visualization of Complex Valued Functions.</i> Graduate Student Seminar, University of Mississippi