

Tristan Holmes – Curriculum Vitae

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Date of Birth	March 8, 1985	Mobile Phone	+1 (808) 679-1334
Nationality	United States	Email	tristanh314@math.hawaii.edu

Education

2018	Introduction to Scripting in Python, a 4-course specialization by Rice University on Coursera. Specialization Certificate earned on June 14, 2018
2015	Ph.D. in Mathematics - The University of Hawai'i at Manoa Advisor: J.B. Nation
2008	B.S. in Mathematics - The University of Oregon

Professional Activities

2018	ALH 2018, The University of Hawai'i at Manoa, Honolulu, HI, local organizer.
2017	Math department University Laboratory School faculty liaison.
2017	MATH 111/112 OER textbook committee member.
2017	BLAST 2017, Vanderbilt University, Nashville, TN, presenter.
2012	AMS Spring Western Sectional Meeting, special sess. on univ. alg. and lattice theory, attendee.
2011	Workshop on Algebra and CSP's, The University of Toronto, Toronto Canada, attendee.
2011	Algebra Across the Borders, Yeshiva University, New York, NY, presenter.

Research

2017	T. Holmes "A Lattice Theoretic Approach to Permutohedra" BLAST, 08/11/2017, Nashville, TN
2016	T. Holmes and J.B. Nation "Inflation of Finite Lattices Along All-or-nothing Sets" Order, 34(3), 419-440, 10.1007/s11083-016-9407-y, 2017
2011	T. Holmes and Kira Adaricheva "Survey on Permutohedra and Assoicahedra" http://www.mini.pw.edu.pl/aab/THolmes.pdf
2009	T. Holmes, D. Kitsuwā, J.B. Nation and S. Tamagawa "Lattices of Atomic Theories in Languages Without Equality" http://www.math.hawaii.edu/jb/theories.pdf

Employment History

Aug 2015 - Present	University of Hawai'i at Manoa, 2565 McCarthy Mall Keller 401A, Honolulu, HI 96822 <i>Instructor, 40 hrs per week</i> Teaching undergraduate classes in the Mathematics department. Duties include creating syllabi, choosing textbooks and supplemental materials, delivering lectures, creating exams, and supervising graduate teaching assistants.
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- Aug 2014 - Jul 2015** Windward Community College, 45-720 Kea‘alaha Rd., Honolulu, HI 96744
Lecturer, 40 hrs per week
- Teaching undergraduate and developmental classes in the Mathematics department. Duties included creating syllabi, delivering lectures, creating exams, and supervising student assistants.
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- Aug 2011 - Jun 2014** University of Hawai‘i at Manoa, 2565 McCarthy Mall Keller 401A, Honolulu, HI 96822
Graduate Teaching Assistant, 20 hrs per week
- Supervised teaching under the guidance of faculty. Duties included grading, running recitation sections, and delivering lectures. Some courses also included designing syllabi and creating exams.
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- Aug 2009 - Aug 2011** University of Hawai‘i at Manoa, 2565 McCarthy Mall Keller 401A, Honolulu, HI 96822
SUPER-M Fellow, 20 hrs per week
- SUPER-M was an NSF funded GK-12 outreach program coordinated by the math department. Fellows were partnered with teachers in elementary and secondary schools throughout Hawai‘i. A fellow’s duties consisted of assisting their partner teacher in the classroom and working with them to design lesson plans that incorporated elements the fellow’s research into lessons that allow younger students to experience investigative problem solving.

Teaching

- U. Hawai‘i** MATH 100, Survey of Mathematics
- U. Hawai‘i** MATH 111, Mathematics for Elementary Teachers I
- U. Hawai‘i** MATH 112, Mathematics for Elementary Teachers II
- U. Hawai‘i** MATH 140, Precalculus
- U. Hawai‘i** MATH 161, Precalculus and Elements of Calculus
- U. Hawai‘i** MATH 215, Applied Calculus I
- U. Hawai‘i** MATH 241, Calculus I
- U. Hawai‘i** MATH 302, Introduction to Differential Equations I
- U. Hawai‘i** MATH 311, Introduction to Linear Algebra
- U. Hawai‘i** MATH 321, Introduction to Advanced Mathematics