

Jason Callahan

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Education

- Ph.D. in Mathematics, The University of Texas at Austin. Advisor: Alan Reid. Thesis: *The Arithmetic and Geometry of Two-Generator Kleinian Groups*. May 2009. GPA: 4.0.
- B.S. in Mathematics, The University of Texas at Austin. Dean's Honored Graduate with Highest Honors and Special Honors in Mathematics, May 2002. GPA: 4.0.

Work History

- Assistant Professor, Department of Mathematics, St. Edward's University, Fall 2009 to present.
 - Responsible for all lectures and course administration of one calculus course, two math for liberal arts courses, and one upper-division applied statistics course.
 - Teaching coordinated syllabi for the calculus and math for liberal arts courses.
- Lecturer, Department of Mathematics, UT-Austin, Summer 2009.
 - Responsible for all lectures and course administration of one calculus course and one upper-division real analysis course.
- Graduate Research Assistant, Department of Mathematics, UT-Austin, Spring 2009 and Summers 2004, 2006, and 2008.
 - Performed original research culminating in two papers: "Conjugate Generators of Knot and Link Groups" (to appear in *Journal of Knot Theory and Its Ramifications*) and "Jørgensen Number and Arithmeticity" (published in *Conformal Geometry and Dynamics*, July 2009).
- Assistant Instructor, Department of Mathematics, UT-Austin, Fall 2005 to Fall 2008.
 - Responsible for all lectures and course administration of three calculus courses, five precalculus courses, and one teaching course for new mathematics TAs.
 - Taught coordinated syllabi for the calculus and precalculus courses.
 - Developed new curriculum for the teaching course.
 - Received the Department of Mathematics Outstanding Teaching Award, Fall 2007.
- Teaching Assistant, Department of Mathematics, UT-Austin, Fall 2003 and Spring 2004.
 - Led three discussion sections of calculus and one of differential equations.
 - Served as a Supplemental Instruction (SI) Leader for the UT Learning Center.
 - Received the Frank Gerth III Teaching Excellence Award.
- Associate Editor, Publishers Resource Group, Austin, TX, March to August 2002.
 - Edited and authored content for Prentice Hall high school mathematics textbooks to match education standards specific to each state.
- Resident Assistant, Division of Housing, UT-Austin, Fall 2000 and Spring 2001.
 - Oversaw the personal and academic advancement of sixty residents.
- Actuarial Intern, USAA, San Antonio, TX, Summer 1999.
 - Received a Way2Go Award for analyzing competitive position for automobile insurance policies.
- Actuarial Intern, Ameritas Life Insurance Corporation, Lincoln, NE, March to October 1998.
 - Received Silver Bison Award for automating production of quarterly performance reports for life insurance products.
- Student Intern, Resource Planning Department, CPS, San Antonio, TX, Summers 1996 and 1997.
 - Received Student Assistance for Education Scholarship for conducting mathematical models to forecast future energy consumption and production.

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Other Achievements and Affiliations

- Only graduate student to win two teaching awards in the Department of Mathematics, UT-Austin.
- American Mathematical Society, Member, Fall 2002 through present.
- Managed eight national tours for three different artists: Okkervil River (Spring and Summer 2005), Bill Callahan (formerly Smog, Spring 2007), and Shearwater (Summers 2007 and 2008).
 - Oversaw interactions with venues, promoters, merchandise, and hotels.
- Co-founded an independent record label, I Eat Records, 2005.
 - Released and promoted seven albums for six different artists.
 - Booked and promoted national tours for five different artists, including several local benefit shows for SafePlace and Capital Area Food Bank of Texas.
- VIGRE (Vertical InteGration of Research and Education) Graduate Traineeship, Department of Mathematics, UT-Austin, Fall 2002 to Summer 2006. Funded by the National Science Foundation (NSF) to promote the training of mathematical scientists at universities across the country.
- NSF Graduate Research Fellowship, Honorable Mention, 2002.
- Undergraduate VIGRE Grant (to fund research for senior honors thesis), Department of Mathematics, UT-Austin, Fall 2001.
- Research Experiences for Undergraduates (REU), Department of Mathematics, Penn State University, University Park, PA, Summer 2000.
 - Presented results in integrodifferential equations modeling research in the Pritchard Fluid Mechanics Laboratory at a conference of professors and students.
- Passed Society of Actuaries (SOA) Exams 100, 110, and 140 in 1998-99.

Other Training and Volunteer Experience

- Assisted Ombudsman, Department of Mathematics, UT-Austin, checking students' prerequisites and advising them during course registration add/drop period, Spring 2009.
- College of Natural Sciences Teaching Strategies Workshop, UT-Austin, October 2008.
- Residential Halls Study Groups (a College of Natural Sciences Academic Community Program), Teaching Assistant, UT-Austin, Spring 2007 to Spring 2008.
- UT Learning Center, Final Exam Review Instructor, Fall 2006 to Fall 2007.
- Tutor, Webb Middle School, Austin, TX, Spring 2006.
- Emerging Scholars Program, Workshop and Training, UT-Austin, August 2005.
- Supplemental Instruction Program, Workshop and Training, UT-Austin, Fall 2003.
- Saturday Morning Math Group, Graduate Student Assistant, UT-Austin, Fall 2002.
- UTech Program, UT-Austin, Fall 1999.
 - Taught Mathematics at Blanton Elementary School.
 - Took "Knowing and Learning in Mathematics and Science" education course.
- Tutor/Mentor, Lincoln Action Program, Lincoln, NE, Spring 1999, for middle school students overcoming socioeconomic disadvantage.

References

- Nancy Lamm, TA/AI Coordinator, Department of Mathematics, UT-Austin, 512-475-8137, nlamm@math.utexas.edu
- Lorenzo Sadun, Graduate Advisor, Department of Mathematics, UT-Austin, 512-471-7121, gradadv@math.utexas.edu
- John Luecke, Professor, Department of Mathematics, UT-Austin, 512-471-4176, luecke@math.utexas.edu