

Benjamin J. Ellison

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U.S. Citizen

Career Objective

Employment with a college that emphasizes teaching, personal interaction with students, and encourages ongoing research and guiding student research

Education

- **University of Wisconsin-Madison**
Doctor of Philosophy in Mathematics
GPA: 3.87/4.00
Successfully Defended: June 2009
- **Case Western Reserve University**
Bachelor of Science in Mathematics, minor in Religion
GPA: 3.85/4.00
Graduation: May, 2002, Summa Cum Laude

Teaching Experience

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| Associate Lecturer
August 2009-Present | University of Wisconsin-Richland
Richland Center, WI |
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- * Taught courses in algebra, trigonometry, statistics, and calculus to classes ranging from 20 to 35 students.
 - * Gained experience teaching three courses per semester, including developing the syllabus, creating lectures, and introducing students to the material through small group work.
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| Teaching Assistant
August 2003-May 2009 | University of Wisconsin-Madison
Madison, Wisconsin |
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- * Taught mathematics courses to classes ranging from 7 to 25 students as both a lecturer and as a teaching assistant
 - * Strengthened my teaching ability and adaptability by teaching a variety of courses, such as Algebra and Trigonometry, Calculus I,II, and III, a geometry course for future teachers and a probability/algebra course for future teachers
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| Tutorial Instructor
September 2008-Present | University of Wisconsin-Madison
Madison, Wisconsin |
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- * Tutored groups of around 6 students who needed extra help in a business calculus course
 - * Held office hours where individual students in such courses Algebra, Trigonometry, and Calculus came for help

Work Experience

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| Course Pack Developer
January 2008-Present | University of Wisconsin-Madison
Madison, Wisconsin |
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- * Created worksheets and developed lesson guides for the math department course in probability/algebra. This has become the standard course pack the University of Wisconsin math department uses for this course

- * Continued to develop worksheets, as well as edit existing material to improve the course pack. Also developed a website for future instructors of the course to use when preparing for the course

Supplemental Instructor

January 2001-May 2002

Case Western Reserve University

Cleveland, Ohio

- * Attended the lectures of a calculus course and held office hours for students to receive help
- * Held review sessions before exams, including the final exam

Honors and Awards

UW-Madison Innovation in Teaching Award. Awarded this university-wide distinction in March, 2009, along with co-developers, for work in creating the course pack

Superior ranking on teaching evaluations, Fall 2008, Spring 2009. It is very rare to receive a Superior ranking for the probability/algebra for teachers course

National Science Foundation VIGRE Fellowship

Computer Skills

L^AT_EX, C++, Microsoft Office, HTML, Maple, Mathematica, Matlab

Professional Presentations

Southern Wisconsin Logic Colloquium, University of Wisconsin-Madison, multiple occasions

Graduate Participation Seminar in Logic, University of Wisconsin-Madison, multiple occasions

Marquette University Mathematics Departmental Colloquium, February 27, 2009

Graduate Student Conference in Logic, University of Illinois at Urbana-Champaign, April 18, 2008

Association of Symbolic Logic North American Annual Meeting, University of Notre Dame, May 20, 2009

Publications

Quantifier elimination for a class of intuitionistic theories, with Jonathan Fleischmann, Dan McGinn, and Wim Ruitenburg, *Notre Dame Journal of Formal Logic*, 49 (2008), no. 3, 281–293.

Kripke submodels and universal sentences, with Jonathan Fleischmann, Dan McGinn, and Wim Ruitenburg, *Mathematical Logic Quarterly* 53 (2007), no. 3, 311–320.

Professional Associations

American Mathematical Society

Association for Symbolic Logic

Mathematics Association of America

Conferences Attended

Graduate Student Conference in Logic, Spring 2005, Spring 2006, Spring 2007, Spring 2009.

Association of Symbolic Logic North American Meeting, Spring 2004, Spring 2005, Spring 2009

AMS Sectional Meeting, Spring 2006.

Midwest Model Theory Meeting, Fall 2008.

Joint Mathematical Meetings, Winter 2009.

Departmental Service

Organized Graduate Participation Seminar in Logic, Fall 2006-Spring 2007.