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Nashville, TN 37240-0001

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EDUCATION

University of Florida, Gainesville

Doctor of Philosophy, Mathematics

August 2004.

Doctoral Dissertation: *Subset Systems and Generalized Distributive Lattices*

Advisor: Jorge Martínez

St John's University, Collegeville, MN

Bachelor of Arts, Majors: Mathematics, Physics. summa cum laude.

May 1999

PUBLICATIONS

When an Algebraic Frame is Regular, with Jorge Martínez, *Algebra Universalis*, **50** (2003), no. 2, 231-357.

Dimension of Algebraic Frames, II, with Jorge Martínez, submitted.

Yosida Frames, with Jorge Martínez, submitted.

EXPERIENCE

Assistant Professor

August 2004 – present

Department of Mathematics, Vanderbilt University. Responsible for teaching one second semester calculus class and maintaining active research.

Graduate Teaching Assistant

August 1999 – August 2004

Department of Mathematics, University of Florida

• **Discussion leader.** Responsible for teaching problem sessions and grading. Two sections of 30 people each of the following semesters. Precalculus, fall 1999. Calculus, spring 2000. Calculus 2, fall 2000.

• **Teacher.** Full responsibility for teaching the following courses. Calculus 1: summer 2000. Calculus 2: spring 2001, summer 2001. Calculus 3: spring 2002, summer 2002, summer 2003. Math for elementary school teachers, fall 2002. Calculus 2 for business students, spring 2003.

• **Lecturer.** Responsible for delivering lectures to large classes in auditorium. Calculus, fall 2001. Precalculus, fall 2003.

Internship.

Summer 1998, 1999

Unisys. Roseville, MN.

Software tester. Responsible for writing test programs using c, basic, and unix shells. Supervisor: Donald Hanson, donald.hanson@unisys.com.

CONFERENCES ATTENDED

- SEVENTH ANNUAL CONFERENCE IN ORDERED ALGEBRAIC STRUCTURES, University of Florida, March 3-6, 2004.
Talk: *Subset Systems and Generalized Distributive Lattices*.
- SIX ANNUAL CONFERENCE IN ORDERED ALGEBRAIC STRUCTURES, Vanderbilt University, Nashville Tennessee, March 5-8, 2003.
Talk: *Epicomplete T_0 spaces*.
- FIFTH ANNUAL CONFERENCE IN ORDERED ALGEBRAIC STRUCTURES, Vanderbilt University, Nashville Tennessee, March 7-9, 2002.
- FOURTH ANNUAL CONFERENCE IN ORDERED ALGEBRAIC STRUCTURES, University of Florida, Gainesville Florida, February 28-March 3, 2001.
- SECOND ANNUAL CONFERENCE IN ORDERED ALGEBRAIC STRUCTURES, University of Florida, Gainesville Florida, March 12-13, 1999.
- TOPICS IN ERGODIC THEORY, PROBABILITY AND ANALYSIS. IN HONOR OF JACOB FELDMAN, Pennsylvania State University, April 20-22, 2001
- ON GENERAL TOPOLOGY AND ITS APPLICATIONS, City College New York, July 18-21, 2001

OTHER

- President of the Graduate Mathematics Association of the University of Florida, 2001-2002.
- Member of the American Mathematical Society, 1999-present
- Awarded Grinter Fellowship 1999-2000.
- Computer skills. c, basic, unix shells, html, latex, mathematica. Able to work with any platform.