Erik Hasse   Curriculum Vitae

Department of Mathematics
University of Iowa, Iowa City, IA

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Education

University of Iowa	Iowa City, IA	August 2013-Present

- Ph.D. in Mathematics, Expected August 2018
- Comprehensive Exam completed, October 2015
- M.S. in Mathematics, May 2015
- Qualifying Exams completed, August 2014
- Advisor: Prof. Daniel D. Anderson

North Dakota State University	Fargo, ND	August 2009-May 2013

- B.S. in Mathematics, May 2013
- Minor in Computer Science

Linköping University	Linköping, Sweden	January 2012-May 2012

- Study abroad term
- Courses in Mathematics, Language, and Computer Engineering

Employment History

University of Iowa	Iowa City, IA	August 2013-Present

Teacher's Assistant

- Helped students succeed in mathematics courses at all levels
- Developed interpersonal skills via small group tutoring and leading classes
- Provided accurate and prompt feedback to student submitted work

North Dakota State University	Fargo, ND	August 2011-December 2011

Teacher's Assistant

- Helped students succeed in mathematics courses at all levels (See list below)
- Developed interpersonal skills via small group tutoring and leading classes
- Provided accurate and prompt feedback to student submitted work

John Deere Electronic Solutions   Fargo, ND   October 2010-September 2011
Software Design Intern

- Developed C++ programs to control test equipment
- Ran tests on production code and reported bugs with potential fixes
- Assisted in creating documentation, including writing requirements and developing tests

Teaching Experience

University of Iowa   Iowa City, IA   August 2013-Present

- MATH:0100, Basic Algebra, Primary Instructor, Spring 2018
- MATH:6210, Analysis II, Grader, Spring 2018
- MATH:1850, Calculus I, TA, Fall 2017
- MATH:5950, Qualifying Exam Seminar in Algebra, Leader, Summer 2017
- MATH:6000 and 6010, Intro. to Algebra I and II, Grader, Fall 2016-Spring 2017
- MATH:5000 and 5010, Abstract Algebra I and II, TA, Fall 2016-Spring 2017
- MATH:1560, Engineering Math II with Mathematica, TA, Spring 2016
- MATH:1005, College Algebra with ALKES, Primary Instructor, Fall 2015
- MATH:1550, Engineering Math I, TA and Course Helper, Spring 2015
- MATH:1140, Geometry for Elementary Teachers, TA, Fall 2014
- MATH:1005, College Algebra, TA, Summer 2014
- MATH:1460, Calculus for the Biological Sciences, TA, Spring 2014
- MATH:1440, Mathematics for the Biological Sciences, TA, Fall 2013

North Dakota State University   Fargo, ND   August 2011-December 2011

- MATH 103, College Algebra, Undergraduate TA, Fall 2011
- MATH 105, Trigonometry, Undergraduate TA, Fall 2011

Awards

Graduate College Summer Fellowship, Summer 2016
Eagle Scout, Boy Scouts of America, October 2008

Publications

Reducing Fractions to Lowest Terms, *Conference on Rings and Polynomials*, Accepted (with D. D. Anderson)

Research Interests

Commutative algebra with a focus on rings. In particular, factorization properties of commutative rings. Further interests are in cryptography and ordered algebraic structures.