Erik Hasse Résumé

Department of Mathematics University of Iowa, Iowa City, IA

Contact:

326 Finkbine Ln, Apt 1 Iowa City, IA, 52246 erik.g.hasse@gmail.com 507-995-3159

https://erik-hasse.github.io/

## **Education**

University of Iowa

Iowa City, IA

August 2013-Present

- Ph.D. in Mathematics, Expected August 2018
- M.S. in Mathematics, May 2015
- 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

## **Employment History**

University of Iowa

Iowa City, IA

August 2013-Present

Teaching Assistant and Primary Instructor

- Helped students succeed in mathematics courses at courses from remedial to graduate levels
- 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

## **Computer Experience**

- Programming languages: Python, C++, Haskell
- Python Packages: NumPy, Pandas, Scikit-learn, Seaborn, TensorFlow
- Software: Microsoft Office, Wolfram Mathematica, LaTeX
- Operating systems: Microsoft Windows, various Linux distributions (including terminal commands), iOS

## **Publications**

Reducing Fractions to Lowest Terms, *Rings, Polynomials, and Modules*, (2017), 1-11 (with Daniel D. Anderson).