

ERIK HASSE

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(507) · 995 · 3159

SUMMARY

Mathematician with a passion for data visualization and machine learning. Experience teaching gives strong oral and written communication skills. Enjoys camping and astrophotography.

TECHNICAL SKILLS

Programming	Python, Haskell
Python Packages	NumPy, Pandas, SciKit-Learn, Seaborn, TensorFlow, PySpark
Machine Learning	Linear and Logistic Regression, k -Nearest Neighbors, k -Means Clustering, Neural Networks
Other	SQL Queries, Spark, Linear Algebra, LaTeX, vim, Unix Terminal

EDUCATION

University of Iowa <i>Ph.D. in Mathematics</i> Dissertation Title: <i>Lowest Terms in Commutative Rings</i>	August 2018 <i>Iowa City, IA</i>
University of Iowa <i>M.S. in Mathematics</i>	May 2015 <i>Iowa City, IA</i>
North Dakota State University <i>B.S. in Mathematics</i> Minor in Computer Science	May 2013 <i>Fargo, ND</i>

EMPLOYMENT HISTORY

University of Iowa <i>Teaching Assistant</i>	August 2013-May 2018 <i>Iowa City, IA</i>
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- Helped hundreds of students succeed in math courses from remedial to graduate levels
- Developed interpersonal skills via small group tutoring and leading classes of up to 40 students
- Provided accurate and prompt feedback on homework, quizzes, and exams for up to 90 students per semester

John Deere Electronic Solutions <i>Software Design Intern</i>	October 2010 - September 2011 <i>Fargo, ND</i>
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- Wrote C++ programs to control test equipment such as 150 ampere batteries
- Ran tests on production code and reported bugs with potential fixes
- Assisted in creating documentation, including writing requirements and developing tests