ERIK HASSE

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(507) · 995 · 3159

SUMMARY

Mathematician with a passion for data science 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 — August 2018
Ph.D. in Mathematics — *Iowa City, IA*
Dissertation Title: *Lowest Terms in Commutative Rings*

University of Iowa — May 2015
M.S. in Mathematics — *Iowa City, IA*

North Dakota State University — May 2013
B.S. in Mathematics — *Fargo, ND*
Minor in Computer Science

EMPLOYMENT HISTORY

University of Iowa — August 2013-May 2018
Teaching Assistant — *Iowa City, IA*

· Helped more than 500 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 — October 2010 - September 2011
Software Design Intern — *Fargo, ND*

· 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