

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 <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>

RELEVANT EXPERIENCE

The Data Incubator <i>Fellow</i>	June 2018-August 2018 <i>Washington, D.C.</i>
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- Selected as one of approximately 30 Fellows from a pool of more than 3000 applicants
- Worked collaboratively on weekly projects using SciKit-Learn, Spark, SQL, and other technologies to analyze a total of 10 GB of data
- Developed a capstone project which analyzed 32,000 Reddit posts to make recommendations

University of Iowa <i>Teaching Assistant</i>	August 2013-May 2018 <i>Iowa City, IA</i>
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- Helped approximately 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 class work for up to 90 students per semester