ERIK HASSE, Ph.D.

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507 · 995 · 3159

SUMMARY

Data Scientist and Mathematician with a passion for software development. Experience teaching gives strong oral and written communication skills.

TECHNICAL SKILLS

Languages	Python (6 years), SQL (3 years), Julia (basic), Javascript (basic)
Python Packages	Keras, TensorFlow, XGBoost, NumPy, Pandas, Pytest, SciPy, gRPC, FastAPI, Scikit-learn, Streamlit, Matplotlib, Seaborn
Tools	Bash, Git, Docker, Jenkins, Jira, Amazon Web Services, MLFlow

RELEVANT EXPERIENCE

Lowe's — December 2019-Present
Senior Data Scientist — *Mooresville, NC*

· Implement time series models predicting sales of thousands of items across 1700 stores to optimize workforce scheduling, improving margins by over $25 million per year
· Create a platform for automating forecasting and time series anomaly detection and provide other data scientists with tools to build models on this platform
· Develop production ready code using tools such as Pytest, Jenkins, and Git

Freddie Mac — October 2018-December 2019
Senior Data Scientist — *McLean, VA*

· Analyzed hundreds of gigabytes of behavioral and economic data to ensure data quality
· Assisted with development of models by validating methodology and simplifying feature engineering
· Managed a data governance program to maintain documentation and quality for data in production environments

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

EDUCATION

University of Iowa — August 2018
Ph.D. and M.S. in Mathematics — *Iowa City, IA*

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