NELSON BARKER

Senior Data Scientist

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SUMMARY

Senior Data Scientist with over 9 years of experience in the fields of e-commerce. My biggest achievement is a 50% increase in Walmart's domestic sales. After that I felt the need to contribute to a greater cause and joined CrashData with which I have been able to improve road safety by 75%.

EDUCATION

2009 - 2013

New York City, NY

B.S. Data Science
Columbia University in the City of New York

- Data Science Major in Foundational courses in Mathematics, Computing and Statistics
- Took additional courses in Big Data Ecosystems and Data Visualisation

EXPERIENCE

2019 - Ongoing

Gardena, CA

Senior Data Scientist
CrashData

CrashData is the leading company that gathers data from a vehicle's sensors before, during and after a crash. The data is then used to improve road safety.

- Joined as employee #4 when CrashData was just starting operation
- Tutored algorithms and data structures to 5 junior data scientists
- Implemented automated data reduction and evaluation with Mapreduce and Hadoop to reduce the process from eight (8) weeks to eight (8) hours
- Our work has helped over 50 car manufacturers improve their safety systems, which led to a 75% decrease in fatal crashes in 2020

2014 - 2019

New York City, NY

Data Scientist
Walmart

Walmart is an American multinational retail corporation that operates a chain of hypermarkets and grocery stores from the United States.

- Worked in a team of 20 data engineers and scientists
- Improved data quality & performance by 40% by analyzing, verifying and modifying SAS & Python scripts
- Gathered, organized & analyzed 2016, 2017, 2018 marketing data using Python, Hive, R, SAS ML algorithms, and Tableau
- Created and presented models for global sales revenue using the above mentioned, which resulted in a 50% increase in Walmart's domestic sales
- Was able to discover that on average people are 25% more likely to buy fish on rainy days
- The marketing team increased fish sales by 40% using this information

TECH SKILLS

Python   Java   C   GIT   SAS   SPSS   R   Apache Mahout   Apache Spark   MapReduce

Hive   MangoDB   NoSQL   QlikView   Tableau   Excel

MOST PROUD OF

📈 **Achieved a 50% increase in Walmart's domestic sales**

❤️ **Giving back: volunteering for various causes every month since 2018!**