

David Garcia

Senior Data Scientist

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Macon, GA

[LinkedIn](#)

WORK EXPERIENCE

Cox Communications - Senior Data Scientist

2021 - current

Macon, GA

- Integrated Apache Spark-based natural language processing (NLP) pipelines to analyze customer service transcripts, leading to a 17% rise in first-call resolution rates.
- Employed a distributed computing framework on Amazon EMR to analyze petabyte-scale datasets, shrinking data processing time by 4.2 hours compared to on-premises solutions.
- Built custom MongoDB MapReduce jobs for analyzing network traffic data, resulting in a 39% cut down in network congestion incidents.
- Collaborated with Cox's cybersecurity team to deploy a deep learning model with Keras for intrusion detection, **decreasing security breach incidents by 23%**.

Fiserv - Quantitative Analyst

2018 - 2021

Alpharetta, GA

- Implemented a Scala-based reporting solution for regulatory compliance, lowering reporting errors by 34%.
- Enhanced fraud detection algorithms with deep learning models using PyTorch, boosting the detection rate of fraudulent transactions by 21%.
- Created Plotly dashboards for client presentations, enhancing the communication of complex quantitative analysis results and **improving client satisfaction by 26%**.
- Designed Azure Machine Learning pipelines, resulting in a 28% cut in time-to-market for analytical models.

Home Depot - Data Entry Clerk

2016 - 2018

Atlanta, GA

- Leveraged Gensim to extract relevant keywords from product descriptions, improving search engine optimization (SEO) for the platform which grew website traffic by 14%.
- Participated in team projects to improve data entry processes and systems, achieving a **37% reduction in data entry errors**.
- Developed automated deployment pipelines in Bitbucket to facilitate the integration of new product data, slashing time spent on manual data integration by 1.3 hours.
- Conducted data entry for inventory tracking, resulting in an 18% reduction in stock discrepancies.

EDUCATION

Georgia Institute of Technology - Bachelor of Science, Computational Data Analysis

2014 - 2018

Atlanta, GA

SKILLS

Scala; Apache Spark; PyTorch; Plotly; Amazon EMR; Microsoft Azure; MongoDB; Gensim; Keras; Bitbucket