

# MICHELLE SANDERS

Data Scientist | Machine Learning | Analytics

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Chicago, Illinois

## SUMMARY

With 7 years of experience in the domain of data science and analytics, I bring a proven knowledge of complex problem solving, machine learning, and strategic data analytics. Standout achievements include developing a predictive ad model and implementing a real-time analytics platform.

## EXPERIENCE

### Data Scientist

Facebook

2018 - Present Chicago, IL

Developed and implemented machine learning models for user behavior prediction.

- Developed a machine learning model to predict user behaviour, which improved click-through rates on ads by 20%
- Managed large datasets, improved procedures resulting in 30% time saved in data pre-processing
- Liaised with teams to understand business needs, translated into analytics & executed strategy, which increased conversions by 15%

### Data Analyst

IBM

2015 - 2018 Chicago, IL

Analyzed large volumes of data to derive actionable insights.

- Implemented a big data platform for real-time analytics that increased processing speed by 35%
- Designed and conducted A/B testing which resulted in 10% increase in user engagement
- Analyzed data from various sources to develop insights used to drive business strategies

### Junior Data Analyst

Google

2013 - 2015 Chicago, IL

Worked with the analytics team to maintain and develop reports.

- Implemented improvements to data collection which increased data accuracy by 25%
- Assisted with database design and data cleaning, improving data quality and integrity
- Involved in developing ETL processes for new data sources

## EDUCATION

Master's in Computer Science with specialization in Data Science

University of Chicago

2011 - 2013 Chicago, IL

## STRENGTHS



### Complex Problem Solving

Developed a machine learning model to predict user behaviour, improving targeted advertising by 30%



### Machine Learning

Streamlined data processing tasks by implementing automation tools, boosting efficiency by 45%



### Leadership

Successfully led a project involving the restructuring of the company's data architecture

## SKILLS

Big Data

Data Visualization

Statistical Analysis

Python

R

SQL

ETL

Machine Learning

AI

## CERTIFICATION

Certificate in Data Science

Johns Hopkins University (Coursera)

Machine Learning

Stanford University (Coursera)

## PASSIONS



### Machine Learning

Passionate about leveraging machine learning to interpret complex datasets



### Rock Climbing

Love challenging myself physically and mentally through rock climbing

## EDUCATION

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Bachelor's in Computer Science

University of Illinois

🏠 2007 - 2011    📍 Urbana-Champaign, IL

## LANGUAGES

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English

Native

