

# Steven C. Sanders, PhD

Golden, CO 80403

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## DATA SCIENCE LEADER

**Produce results through team and individual excellence**

Motivated to achieve high-quality results in a way that prioritizes team collaboration and shared team successes. Consistently able to overcome challenges to lead projects to successful conclusions in various domains, including data science and analytics teams, development engineering teams, and applied research teams.

**Data Science | Machine Learning | Deep Learning | NLP | Data Analytics | Design of Experiments | Product Development | Team Leadership | Python | SKLearn | TensorFlow | R | SQL | Hive | Spark | AWS | MS Office**

## PROFESSIONAL EXPERIENCE

**ORACLE CORPORATION (and formerly Sun Microsystems), Broomfield, CO**

***Director, Data Science, Oracle Data Cloud***

**2020 - Present**

- Lead teams of data scientists and software engineers in the research, development, and scaled deployment of a web-based measurement product integrating machine learning and causal inference methodologies. This solution helps publishers, advertisers, and platforms assess return on investment and optimize strategies.

***Sr. Manager, Data Science, Oracle Data Cloud***

**2018 - 2019**

- Led a team of data scientists to develop and deliver cross-functional analytics solutions that enhanced the capability and efficiency of the client-facing analytics organization.
- Developed automation system that enabled client analysts to reduce cycle time for producing analytics reports for a top multinational client by 7x, and led the deployment of that solution.

***Principal Analyst / Data Scientist, Oracle Data Cloud***

**2017 - 2018**

- Modeled, developed, and optimized audiences using machine learning.
- Produced custom measurement analyses of advertising campaigns.
- Consulted and trained analysts on best practices for digital ad campaign measurement.
- Analyzed segment migration for a national retailer; results provided key impetus for improved methodology.

***Sr. Manager, Engineering***

**2008 - 2017**

- Developed algorithms for predicting degradation in large data archive/cloud environments to minimize disruption to archiving operations.
- Applied statistical data analyses and machine learning, and established methods for proactively managing large data storage systems for optimal business results.
- Drove systems engineering and cross-functional coordination within a large engineering team, leading to multiple successful data-storage system development projects and product releases.
- Created and managed system development schedules, analyzed and negotiated key tradeoffs for optimum system performance and reliability, developed and managed system-level, subsystem, and interface requirements. These fundamental systems engineering tasks were essential to the development of best-in-class data archiving systems with on-time launches and excellent customer satisfaction.
- Managed a team of engineers and technicians, which included a strong mentoring program. New engineers were quickly engaged and productive, leading to a very high retention rate.

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## EDUCATION

*Master of Information and Data Science.* **University of California**, Berkeley, CA

*Ph.D. Condensed Matter Physics.* **Iowa State University**, Ames, IA

*B.A., Summa cum Laude.* Majors: Engineering Physics, Mathematics; Minor: Computer Science. **Augustana College**, IL