

Sara Alaei, PhD, [LinkedIn](#) | Sr. Data Scientist at Target | Email: sara.alaei@gmail.com | Phone: 9514975917

Summary

Computer Scientist with extensive experience in data science and machine learning. Specializing in forecasting and discovering frequent and anomalous patterns in time series data.

Experience

Senior Data Scientist

Target | November 2021 – Present

- Focused on time series analysis, and demand prediction to provide actionable insights for data-driven decision-making.
- Worked with near- and long-term forecasting algorithms for Supply Chain and Merchandising
- Trained machine learning algorithms on tens of millions of data points to generate millions of forecasts.
- Collaborated with Target teams to identify and lead new opportunities, analyzing complex data to support enterprise decisions.
- Mentored junior data scientists and guide the development of innovative analytical methodologies.

AI Scientist

Target | June 2021 – August 2021

- Contributed to AI research and development efforts focused on improving predictive analytics for customer experience enhancement.
- Worked on building and testing algorithms for real-time personalization using machine learning techniques.

Data Mining Graduate Research Assistant

University of California, Riverside | Sep 2018 – Oct 2021

- Proposed a novel algorithm for motif discovery that is fast and scalable

Research Intern

HKUST-DT System and Media Laboratory (SyMLab) | July 2016 – September 2016 (3 months)

- Conducted research focused on improving the efficiency of passage time using biased random walks in complex networks.
- Analyzed large-scale data sets to uncover insights into network dynamics and behavior, contributing to academic papers and projects.

Graduate Research Assistant

University of Tehran | 2015

- Assisted in advanced research on time series analysis and machine learning techniques for pattern detection in large datasets.
 - Developed and tested algorithms to identify correlations and anomalies, contributing to the development of new methodologies in the field.
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Education

University of California, Riverside Doctor of Philosophy (PhD), Computer Science (2017 - 2021)

University of Tehran Master of Science (Msc), Computer Science (2013 - 2015)

University of Tehran Bachelor's degree (Bsc), Computer Science (2007 - 2012)

Skills

- Time Series Analysis & Anomaly Detection
- Machine Learning: Supervised & Unsupervised Learning
- Data Processing Languages: Python, SQL, Spark
- Data Science Tools: Pandas, Numpy