ROBERT SMITH

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Objective

Data Scientist with PhD in Physics and 1+ industrial experience. Two years of working experience in Data Analysis team of LIGO Scientific Collaboration [$3M Special Breakthrough Prize winner of 2016]. Over ten years of successful research experience in both theoretical and computational physics. Strong problem-solving and analytical skills. Advanced programming proficiency. Certified in Data Analysis and Machine Learning.

Skills

DataMining, DataAnalysis, MachineLearning, Python, R, MATLAB, Sphinx, LaTeX, Mathematica,Maple, GIT, CVS, HTCondor.

Work Experience

Data Scientist

ABC Corporation – May 1994 – May 2005

- Assisted in determining client needs, deliverable design, estimates and feasibility for analytical projects concerning a custom study for a manufacturer who is using the results to support a litigation claim.
- Served as an internal resource for Jacknife programming and documentation.
- Designed and developed small scale deliverables related to the custom study.
- Participated in the Post Project Review QIP team.
- Responsible for results reporting in the appropriate media and creation of supporting documentation for the client.
- Monitored products from statistical programs for accuracy, consistency and statistical validity.
- Designed and applied statistical and mathematical methods for corporate analytics that were implemented into client-facing products.

Data Scientist

ABC Corporation – 1993 – 1994

- Maintained automated ETL for reporting.
- Implemented Data mining and machine learning algorithms to describe and predict user behavior on various retailer websites.
- I revamped their "Predictive Marketing" process to be more data driven and profitable.
- The new process was able to hone in on more useful user segments that had a significant increase in conversion.
- Skills Used Data Cleansing and Data Analysis using Python, Scala, R and Spark.
- Cloud computing on AWS.
- Automation of reporting..