ROBERT SMITH

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Alabama.

# 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

Data Mining, Data Analysis, Machine Learning, 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 &quot;Predictive Marketing&quot; 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..

# Projects

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Bachelor Of Science - (Stanford)

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