Elena Hernandez

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Microsoft certified data scientist with 11+ years of experience executing data-driven solutions to increase efficiency and accuracy. Proven track record of developing large scale algorithms that significantly impacted business outcomes. Excellent skills programming in Java, C++ and R. Strong leadership, communication and research abilities with knowledge of the health care industry.

Education

Master of Science in Data Science
New York University,
New York, NY
September 2007 - June 2009

Bachelor of Arts in Computer Science
University of California - Berkeley,
Berkeley, CA
September 2003 - June 2007

Key Skills

- Experience leading multi-disciplinary teams
- Coding skills in R, Python, C++, Java
- Big data, data mining and data visualization
- Risk analysis and problem solving skills
- MySQL and JSON

Certifications

- Microsoft Certified Solutions Expert, 2019
- SAS Certified Big Data Professional, 2017

Professional Experience

Senior Data Scientist

Omicron Biotech, Buffalo, NY | January 2012 - Present

- Assist in scientific research into vaccines and analyzed the results
- Collect, study and interpret large datasets of research results, collate reports and perform accurate data management
- Develop forecasting models to increase productivity and efficiency
- Provide monthly reports to executives detailing the progress of research

Data Scientist

Kappa Corporation, Albany, NY | July 2009 - December 2011

- Led big data machine learning initiative that developed and deployed algorithms that allowed business to grow over 200%
- Developed model to accurately predict fraud activity, resulting in 75% decrease in company losses
- Used computer programming skills in R, Python and SAS to link data collected on-platform and off-platform to create thorough datasets that predict successful product development initiatives