

**\*\*Sophie Zhang\*\***

## # **\*\*Data Scientist Resume\*\***

### ### **\*\*Summary of Qualifications\*\***

#### **\*\*Data Analysis and Statistical Modeling:\*\***

- Over 5 years of expertise in applying statistical techniques, regression analysis, and predictive modeling to uncover actionable

#### **\*\*Technical Expertise:\*\***

- Proficient in SQL, Python, and R for advanced data querying, scripting, and statistical analysis.  
- Skilled in data visualization tools like Power BI and Tableau, with experience in machine learning techniques, including cluster

#### **\*\*Product Leadership and Communication:\*\***

- Extensive experience collaborating with cross-functional teams to develop strategies and align analytics with organizational go  
- Proven ability to craft clear, data-driven narratives to influence stakeholders and support impactful decisions.

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### ### **\*\*Professional Experience\*\***

#### **\*\*Data Analyst II | Centene Corporation\*\***

**\*May 2023 – Present\***

- Designed and deployed Power BI dashboards, achieving a 90% improvement in operational efficiency.  
- Applied SQL and Python to manage complex data analyses, leading to actionable insights and strategic improvements.  
- Led analytics for HEDIS reporting, leveraging data to enhance healthcare quality metrics and performance.

#### **\*\*Business Data Analyst | Bizdata Analytics Solutions Inc.\*\***

**\*Sep 2022 – May 2023\***

- Created interactive dashboards that boosted monthly profit margins by 10% and optimized workflows through automated ETL  
- Improved fraud risk forecasting accuracy to 97% by conducting advanced quantitative analyses.

#### **\*\*SAS Programmer | Regeneron Pharmaceuticals\*\***

**\*Mar 2021 – Sep 2021\***

- Processed and analyzed clinical trial datasets using SAS and SQL to ensure compliance with FDA submission standards.  
- Authored detailed documentation, facilitating clear communication and informed decision-making in clinical research.

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### ### **\*\*Education\*\***

#### **\*\*Master of Science in Applied Statistics\*\***

Pennsylvania State University (GPA: 3.9/4.0) – Aug 2020

#### **\*\*Master of Engineering & Bachelor of Engineering in Food Science and Nutritional Engineering\*\***

China Agricultural University – Aug 2007 & 2005

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### ### **\*\*Key Technical Skills\*\***

- Programming: SQL, Python, R  
- Visualization: Power BI, Tableau  
- Analytics: Statistical Modeling, Machine Learning (Clustering, Classification)  
- Tools: SAS, Microsoft Office Suite, Advanced Data Visualization

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### **\*\*Key Achievements\*\***

- Spearheaded data-driven strategies that directly influenced product roadmaps and investment decisions.
- Solved complex analytical challenges by synthesizing data from diverse sources to inform long-term trends.
- Designed and executed experiments that measured product success, driving improvements in user experience and engagement.