Qing Liu
SAS programmer

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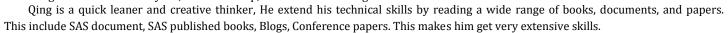QingLiuThinker@outlook.com
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SUMMARY

Qing is a SAS®/Statistical programmer with solid experience in SAS® System and statistical programming, Over 1 years of experience in SAS programming in Pharmaceutical industry.

Started his career as a SAS programmer, He gained Extensive experience in programs to extract, clean, summarize, analysis, report and visualize data by using SAS® from various sources for specific projects to achieve the goals, while ensuring the quality and on-time delivery according to the specifications and plans.

Qing's main tool is SAS®. He has good understanding and In-depth knowledge on SAS/BASE, SAS/MACRO, SAS/SQL, SAS/STAT, SAS/ODS, SAS/GRAPH, SAS/ACCESS, and SAS/CONNECT, and some knowledge in SAS Visual Analytics, SAS & Hadoop, SAS Business Intelligence.

Qing is a quick leaner and creative thinker, He extend his technical skills by reading a wide range of books, documents, and papers. This include SAS document, SAS published books, Blogs, Conference papers. This makes him get very extensive skills.

He is seeking an opportunity as a Data Analyst or Business Analyst in another industry.

WORK EXPERIENCES

Statistical Programmer, PAREXEL International, Shanghai   2015 - now

➢ **Data Preparation**:
Developed new and/or modified existing SAS programs (PROC IMPORT, SQL Pass Through, SAS/ACCESS) to extract data from text files, Excel spreadsheets and external RDBMS (RAVE, ORACLE) tables.

➢ **Data Clean**:
Worked closely with Data Management Group to produce weekly, monthly data check listings reports according to Data Validation Specification.

➢ **Data Transformation**:
Created efficient SAS programs in transforming raw clinical data to clinical standard compliance datasets: CDISC SDTM, ADaM.

➢ **Data Visualization**:
Generating tables, Figures, and listings(TFLs) in RTF format by using SAS Output Deliver System(ODS) to supported reporting of results.
Developed SAS® programs/macros that produced Patient Profiles both in PDF and EXCEL format for DMs, AEs, Con Meds, and others.
Stored and distributed SAS® results in different formats (RTF, PDF, XLSX, HTML) based on different user groups.

➢ **Statistical Analysis**:
Performed many aspects of statistical analysis, includes: Descriptive Statistics, Categorical Statistics(Chi-square), Continuous Statistics(T test) and implemented statistical model such as Logistic model, Mixed model, GLM model for evaluating efficacy and safety of drugs.

➢ **Others:**
Created/Modified complex and reusable Macros(%page, %report) to improve the efficiency of the department.

➢ Performs Quality Control to ensure that outputs meet quality standards and project requirements.

➢ Extensively created a SAS® SCL program to check & summarize SAS® programming log issue.

➢ Popularized a modern editor to easy program lifecycle and increase programming efficiency. Time saved almost half hour per day.

➢ Manages scheduling and time constraints across multiple projects, sets goals based on priorities from management, and adapts to timeline or priority changes by reorganizing daily workload.

PROFESSIONAL SKILLS

DATA/PROC Procedure Programming

PROC SQL programming

Macro Programming

Data Transformation

Data cleaning

Data manipulation

ODS, Reporting and Specialized Output

ODS Graphics

Data Access

DS2 and FedSQL

SAS/STAT: Statistical Model/Analysis

SAS Business Intelligence/SAS Visual Analytics

SAS In-Database Code Accelerator for Hadoop

Hadoop

Tableau

UNIX

EDUCATION AND TRAINING

Bachelor of Medicine
Huazhong University of Science and Technology, Wuhan, China
Bachelor's degree in Preventive Medicine, 2010 – 2015
Specialization: Medical Statistics.

Base Programmer Credential, Certified by SAS® Company, 2014
Advanced Programmer Credential, Certified by SAS® Company, 2014
Clinical Trials Programmer Credential, Certified by SAS® Company, 2015

LANGUAGE SKILLS:
English: Professional working proficiency
Chinese: Native working proficiency