

Qing Liu

SAS programmer

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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 learner and creative thinker, He extend his technical skills by reading a wide range of 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.

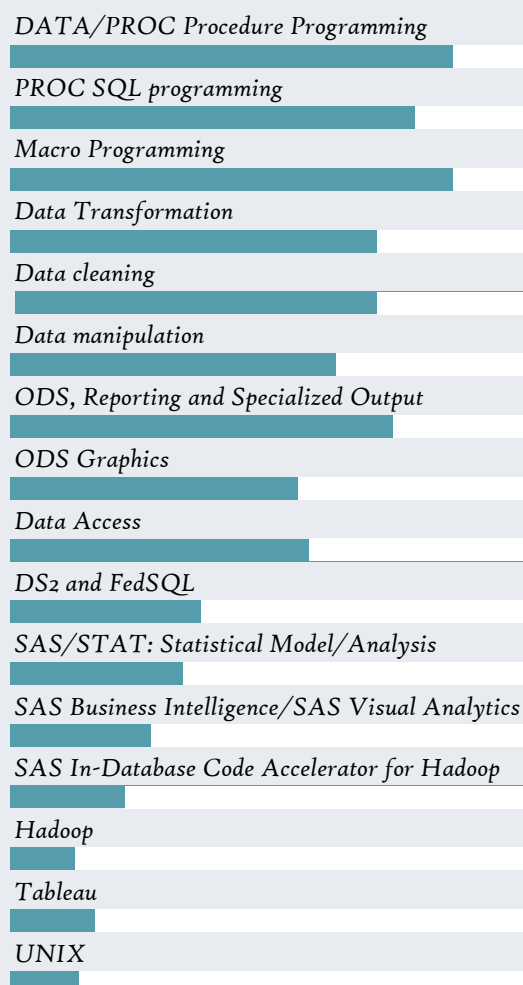


WORK EXPERIENCES

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 Report & Visualization:**
Generated 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:**
Developed SAS program to implement many aspects of statistical analysis, includes: Descriptive Statistics, Categorical Statistics(Chi-square), Continuous Statistics(T test) and statistical model such as Logistic model, Mixed model, GLM model.
- **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



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