**Aaron Wu** 

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 25 School Drive, Gaithersburg, MD 20878

**Summary**

* SAS clinical programmer with 6 years’ experience in programming, analyzing and reporting clinical data in pharmaceutical industry.
* Experience of Phase I-IV clinical trials in different therapeutic areas, including Oncology, Immunology, Respiratory, etc.
* Hands-on experience in reviewing Protocols, Case Report Forms (CRFs), Statistical Analysis Plans (SAPs) and dataset specifications.
* Involved in Clinical Data Analysis and preparation of SAS Datasets, following the Standard Operating Procedures (SOPs) and departmental guidelines.
* Extensive experience in SAS functionality including Base SAS, SAS/Macros, SAS/SQL, SAS/ODS, SAS/GRAPH, SAS/STAT on Windows and UNIX environment.
* Working knowledge and experience in creating and validating CDISC SDTM and ADaM datasets.
* Produced various tables, listings and graphs (TLGs) for clinical study report based on SAP, SOP and other company guidelines.
* Experience in creation of Integrated Summaries of Efficacy (ISE) datasets and Integrated Summaries of Safety (ISS) datasets.
* Self-motivated quick learner and highly adaptable to change.
* Effective team player and capable of working independently as well as interact with biostatisticians and clinical data management team.

**Skills**

SAS: Base SAS, SAS SQL, Macros, SAS/STAT, SAS/GRAPH, SAS/ODS

OpenCDISC Validator

Database: Oracle, MySQL, SQL Server

**Work Experience**

**Senior Statistical Programmer                                                        Aug 2016 - Present**

**Amarex Contract Clinical Research, Germantown, MD**

**Therapeutic Area: Oncology, Immunology, Phase I-IV Study**

Responsibilities:

* Assisted data management team in data cleaning.
* Developed SDTM mapping specification and created SDTM datasets.
* Reviewed and modified the ADaM file specification as well as created ADaM datasets.
* Perform quality control (QC) by validating SAS programs.
* Developed programs for listings, summary tables and patient profile as per study requirement.
* Generated stylish reports in HTML and RTF using SAS Output Delivery System (ODS)
* Generated different types of graphical output using SAS/GRAPH procedures like PROC SGPLOT, PROC SGRENDER, PROC SGPANEL.
* Involved in Integrated Summary of Safety (ISS) and Efficacy (ISE).
* Created Case Report Tabulation (CRT) including annotated CRF, Define.xml and transport (.xpt) files for FDA submission.

**Statistical Programmer**

**Teva Pharmaceuticals, North Wales,PA Aug 2014 - Aug 2016**

**Therapeutic Area:Oncology, Infectious Disease.  Phase I-III Study**

Responsibilities:

* Developed and reviewed specifications of SDTM and ADaM referring to Protocol, SAP and CDISC standards.
* Created and validated SDTM domains like DM, SUPPDM, EX, CM, AE, LB, VS, TU, TR and RS.
* Created and validated ADaM datasets like ADSL, ADEX, ADCM, ADAE, ADLB, ADVS and ADTTE.
* Produced a variety of summary tables including demographic table, lab shift table, adverse event table, K-M table, etc.
* Enhanced the final tables using SAS ODS facility.
* Produced different types of graphs including Forest plots, K-M plots, Waterfall plots, Swimmer plots, etc by using PROC SGPLOT and PROC SGRENDER.
* Modified existing Macros and created new Macros to automate repetitive tasks.
* Contributed to define.xml and documents to be submitted to FDA.

**Statistical Programmer**

**PSI CRO,   King of Prussia, PA                                                       Jul 2012 - Jul 2014**

**Therapeutic Area: Oncology, Phase I-IV Study**

Responsibilities:

* Performed statistical analysis using PROC MEANS, PROC UNIVARIATE, PROC FREQ, PROC NPAR1WAY, PROC GLM, PROC LIFETEST, PROC PHREG, etc.
* Developed tables, listings and graphs (TLGs) referring to SAP and TLG shells.
* Generated different types of reports and graphs using PROC REPORT, PROC TEMPLATE and PROC SGPLOT.
* Output TLGs in RTF, PDF, HTML and Excel formatted files using SAS ODS.
* Validated analysis datasets, tables, listings and graphs created by other programmers using PROC COMPARE.
* Actively participated in team meetings and discussed with biostatisticians and project manager.

**Education**

Master of Science in Computer Science, 2012

Washington University in St. Louis

Bachelor of Engineering in Information Engineering, 2010

Beijing University of Posts and Telecommunications