

Ray Hang Zhong

SAS Statistical Programmer

Summary

- Quick, ingenious, proactive, honest, and communicative
 - Resourceful in solving new and challenging problems
 - Adept at generating conceptual possibilities and then analyzing them strategically
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Experience

SAS Statistical Programmer at Cardiovascular Research Foundation

August 2013 - Present (2 years 11 months)

- Good at merging datasets from the raw data or database using proc sql and listing information
- Know how to set up proper folders and documentation (Using macro to list all the files in the folder by commend line and good sense of documentation in the codes to the level of whole project)
- Experienced in working physicians and academic projects (Like pooling variables from different studies with complicated processing)
- Responsible for understanding and creating SDTM/ADAM transfers for sponsor companies
- Primary SAS programmer for a phase III cardiovascular clinical trial (The largest over million dollars project in sponsor's company)
- Managed SDTM specs for more than 60 domains (Because some domains we have to separate it for the composite endpoints into multiple domains to fit into CDISC standard)
- Implemented SDTM from legacy data with complex new domains (MO, HO and PR)
- Designed ADaM specs with ADSL, ADAE and BDS structure
- Implemented ADaM with 19 datasets from SDTM according to table shell
- Reviewed sponsor requirements and responded timely to sponsor's comments.
- Completed more than 250 TFLs (More than 90 unique TFLs) with macros in tight deadlines for different drafts
- Responsible for generating define.xml

Training from CDISC:

- SDTM Theory and Application course
- CDASH Implementation course

SAS Programmer at NYU Langone Medical Center

October 2012 - July 2013 (10 months)

- Diabetes & Tobacco Research - Dr. Michael Weitzman

- Developed SAS program to import, clean and analyze complex sampling design survey data, gained knowledge in Medical Expenditure Panel Survey (MEPS) and National Youth Tobacco Survey (NYTS)
- Performed statistical analysis for diabetes and tobacco study with descriptive statistics, count data analysis and logistic regression analysis

SAS Programmer at Bancova

June 2012 - February 2013 (9 months)

- Generated TFL (DM, DS, AE, VS, LB, CM, MH, etc) with flexible macros for continuous and categorical variables, validated, and/or performed quality control checks on programs
- Participated in simulated project, obtained knowledge in survival analysis (HR, KAPLAN MEIER, log-rank test, etc), generated OS table and KM graph
- Wrote the Statistical Analysis Plan (SAP) under a lead statistician, performed ad-hoc analysis
- Handled data simulation (randomization schedule, censored survival data, subject visit, etc)
- Received CRO clinical training (Demographics, disposition, adverse event, labs, SDTM, AdaM, etc)

Teaching Assistant at The Graduate School of Arts and Science, New York University

January 2012 - May 2012 (5 months)

- Taught 2 labs and helped students to complete the course with a strong grasp of biology

Master Student at The Graduate School of Arts and Science, New York University

September 2010 - May 2012 (1 year 9 months)

- Computational Lab - Dr. Richard Bonneau
- Analyzed Microarray data with computational tools R, MeV, Cytoscape etc, and completed graduation thesis “Visualization of Ciona Intestinalis Co-expression Network”
- Experienced in data analysis, data-mining for large data with R and parsing text files with python

Molecular Engineer at Cyagen Biosciences Inc.

February 2009 - June 2009 (5 months)

- Molecular Biology Department Lab
- Responsible for Molecular Services and international business in Transgenic Mouse Services
- Participated in developing the new Molecular Biology Department and devising marketing strategy
- Certified as an internal auditor for Cyagen's ISO9001 quality system and was heavily involved in business partner's audit

Sales Manager at Cyagen Biosciences Inc.

March 2008 - February 2009 (1 year)

- Provided excellent customer service
- Achieved sales goal, ranked #1 among 8 peers in sales performance
- Analyzed the new market data and came up with thoughtful marketing strategies

Research Assistant at National University of Singapore

August 2006 - May 2007 (10 months)

- Stem Cell Biology Lab - Dr. Hong Yunhan
- Accomplished graduation requirement project “A Novel RNA-binding Protein is Essential for Embryonic Development in the Medaka”, and won 6000 SGD scholarship
- Received experimental training in gene isolation, stem cell culture and protein analysis

Courses

Statistical Methods

Bioinformatics & Genomes

PAC I (Java, data structure & algorithm analysis)

Toxicology

Theory of Probability

Biostatistics

Projects

Research Assistant

August 2006 to May 2007

Members: Ray Hang Zhong

- NUS Student Assistant scholarship \$6,000SD
- Completed NUS UROPS program on “Molecular Cloning of Eye-field Transcription Factor Genes Rx1 and Six3 from Medaka Fish” in Department of Biological Sciences
- Accomplished graduation requirement project on “A Novel RNA-binding Protein is Essential for Embryonic Development in the Medaka”
- Received intensive experimental training in gene isolation, stem cell culture, protein analysis

Research Assistant

October 2011 to May 2012

Members: Ray Hang Zhong

- Analyzed the experimental data and built gene network with computational tools for visualization

Skills & Expertise

R

Statistics

Data Mining

Bioinformatics

SAS programming

SAS

Clinical Trials

CRO

SPSS

Python

Molecular Biology
PCR
Java
SDTM
ADaM
Lifesciences
Cooking
XML
SAS Base
Science
SAS Programming
Life Sciences
Statistical Programming
Programming

Education

Master's Degree, 2010 - 2012
Grade: 3.7
Activities and Societies: M.S. program
National University of Singapore
Biology, 2006 - 2007
Activities and Societies: Research Assistant
Wuhan University
B.S., Biotechnology, 2003 - 2007
Activities and Societies: Research, Student Union, Chorus

Languages

English
Chinese
Cantonese

Interests

Loves programming, skiing, sailing, basketball, cuisine, IT, entrepreneurship

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[Contact Ray Hang on LinkedIn](#)