

Ding CHENG

EDUCATION

Fudan University

Bachelor degree of Chemistry, Minor in Data Science

Shanghai, Full-time

2014 – 2018

Fudan University

Master Candidate of Software Engineering, Data Science and Application

Shanghai, Part-time

2021 – Present

BEIGENE EMPLOYMENT HISTORY

Senior Programmer

Statistical Data Sciences

Apr 2021 – Present

Shanghai, Beigene

- Utilize programming expertise in clinical trial and other data science with business knowledge, and collaborate with MA biostatisticians, to identify, define and solve the problems and to provide strategic input
- Work with post-approval biostatisticians, and other functions (e.g. MSL, HEOR scientist) to provide programming support and leadership

NON-BEIGENE EMPLOYMENT HISTORY

Clinical Programmer

PD Biometrics

Jan 2018 – Apr 2021

Shanghai, Roche

- Responsible for clinical data delivery of RG6042(Huntington's Disease), Crovalimab(Hematology), and support Tecentriq HCC, OC Filing
- Develop SAS programs for extracting and processing data with SDTM implementation and CDISC standards and lead the data collection of clinical database development with clinical data EDC programming
- Perform Spotfire programming and documentation for Risk-Based Quality Management, Data Monitoring, Medical Data Review

Research Assistant

Biomedical Informatics Laboratory(Part-time)

Jan 2021 – Apr 2021

Fudan University & Zhongshan Hospital

- Implement OHDSI OMOP common data model(SNOMED CT, MedDRA) and build up a federated analysis platform using R packages

RELATED PROJECTS

Data Curation and Integrated Analysis | *R Shiny, SQL, Python, REST API*

- Implemented data curation and integration from Clinical Trial data of EDC, Omics Data and RWD within harmonized standards and control terminology for secondary use
- Supported continuous delivery using Jenkin and Docker and developed R packages(*CurateR, Scrubj*) and a full-stack R Shiny app(*Curation Workshop*)
- Built exploratory and analytic tools that utilize the data pipeline to provide key metrics and clinical outputs(TLGs) with R frameworks

Crovalimab Phase I/II Trials Study | *SAS, R, Pinnacle 21, Spotfire*

- Ensure timely and quality development and validation of datasets and reports for study-documents
- Designed and reviewed the eCRF and data structures and comply with company and industry standards (CDISC SDTM) and processes, created the review of programming specifications

PUBLICATION

First Author: Ding Cheng, Liang Qiao*, Peter Horvatovich*, *Towards Spectral Library-free MALDI-TOF MS Bacterial Identification*, J. Proteome Res., 17 (2018), 2124–2130

TECHNICAL SKILLS

Languages: English(TOFEL 108), Mandarin

Programming Languages: Python, R, SQL, C#, SAS, JavaScript

Tools: Tableau(Certificated), TIBCO Spotfire, Microsoft Office, Final Cut Pro

Libraries and Frameworks: pandas, Flask, NumPy, Matplotlib, Shiny, Tidyverse, Roxygen