Grace Chen Zhou

PhD. Candidate (she/her/hers)

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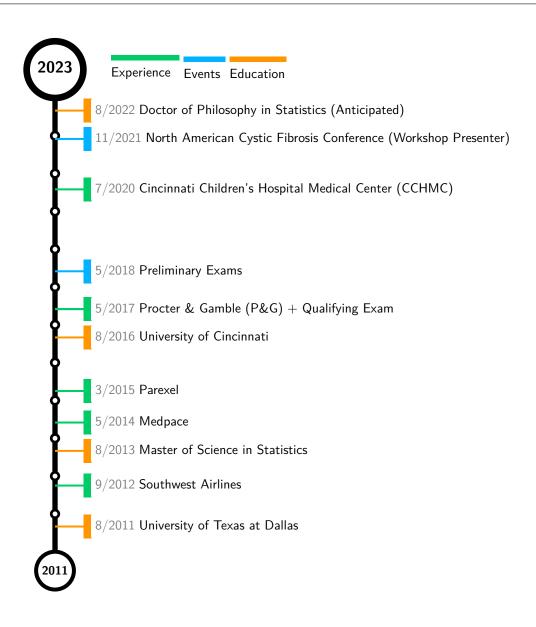
With major and great passion in Statistics, I have undertaken internships within leading organisations such as P&G and CCHMC. Another two years of full-time experience in pharmaceutical field have enabled me to develop solid skills in Biostatistics. Looking forward to pursuing a position related to medical science relevant to oncology or Alzheimer's disease, where I can dedicate immediate value and develop current skillset further.

TIMELINE

2023

Experience Events Education

- 8/2022 Doctor of Philosophy in Statistics (Anticipated)
- 11/2021 North American Cystic Fibrosis Conference (Workshop Presenter)
- 7/2020 Cincinnati Children's Hospital Medical Center (CCHMC)
- 5/2018 Preliminary Exams
- 5/2017 Procter & Gamble (P&G) + Qualifying Exam
- 8/2016 University of Cincinnati
- 3/2015 Parexel
- 5/2014 Medpace
- 8/2013 Master of Science in Statistics
- 9/2012 Southwest Airlines
- 8/2011 University of Texas at Dallas

2011

EDUCATION

Doctor of Philosophy in Statistics   GPA: 3.94/4.0 | Aug.2016-Present
University of Cincinnati (UC, Cincinnati, OH)

Master of Science in Statistics   GPA: 3.86/4.0 | Aug.2011-2013
University of Texas at Dallas (UTD, Richardson, TX)

EXPERIENCE

CCHMC | Research Assistant   July 2020 – Present
Cincinnati, OH

- Identify research goals and develop statistical analysis plan (SAP)
- Establish statistical methods to predict primary lung disease outcome
- Perform data manipulation and model calibration with R
- Build up applicable user-friendly tool with Rshiny
- Collaborate to provide statistical support to other studies related to pulmonary

P&G | Data Informatics Intern   May 2017 – June 2020
Cincinnati, OH

- Created analytic web tool for data visualization and management by R shiny
- Supported web tool development, maintenance and validation
- Provided statistical results for marketing decisions

PAREXEL | Statistical Programmer   Mar.2015 – Jun.2016
Shanghai, China

- Programmed analyses as specified in SAP and protocols
- Assisted in the coordination of project start-up activities
- Led and communicated data transfers to the sponsor
- Created and validated derived datasets, Study Data Tabulation Model (SDTM), tables, figures and listings with SAS

MEDPACE | Statistical Analyst   May 2014 – Dec.2014
Cincinnati, OH

- Contributed to clinical development plan preparation
- Reviewed study protocols to identify appropriate statistical methodologies
- Programmed and validated derived datasets, listings, tables and figures with SAS

SOUTHWEST AIRLINES | Projects and Reporting Intern   Sep.2012 – Dec.2012
Dallas, TX

- Maintained daily operational reports from customer service team
- Analyzed customer feedback and conducted results by pivot-table
- Developed reporting database for employee evaluations by Microsoft Access

PROJECTS

- **Multilevel joint modelling of longitudinal and binary outcomes for hierarchically structured data (Submitted thesis)** ⤤ Jan.2022
- **A multilevel Bayesian joint model for longitudinal and time-to-recurrent data (Drafted thesis)**   Mar.2022
- **Predicting Lung-Function Decline in Cystic Fibrosis: Impact of Initiating Highly Effective Modulator Therapy** ⤤   Oct.2021
- **Overview of my RShiny apps (will add link later)**   2022

AWARD & CERTIFICATES

- **Graduate Student Government Research Fellowship Award** ⤤   Mar.2022
- **Graduate Incentive Award** ⤤   Aug.2016 - Dec.2021
- **Graduate Student Health Insurance Award** ⤤   Aug.2016 - Dec.2021
- **National Institute of Statistical Sciences Writing Workshop for Junior Researchers**   2021
- **SAS 9.3 Certified Base Programmer**   2013
- **Business Intelligence and Data Mining Course Completed Certified by SAS&UTD**   2012