Zihang Yu

(+1) 2066775904 | zihangyu@uw.edu | LinkedIn | GitHub

SUMMARY OF QUALIFICATIONS

Solid statistical and mathematical background with proficiency in programming such as Python, R and MATLAB, across multiple platforms. Research experience on designing and implementing clinical trials with a particular focus on adaptive designs. Strong problem-solving and collaboration abilities; excellent written, verbal and visual communication skills.

EDUCATION

University of Washington, Seattle, USA -expected Mar 2025

MS Biostatistics

University of Nottingham, Nottingham, UK -Jul 2023

BSc Hons Statistics (First Class)

WORK EXPERIENCE

Research assistant, **University of Sheffield Centre of Health and Related Research** -Sheffield, UK, May-Aug 2022

Supervisors: Qiang Zhang, Ph.D. and Dr Munya Dimairo, University of Sheffield, Sheffield, UK

- Assisted in biostatistics research *Sample Size Estimation for Clinical Trials with An Adaptive Design*
- Reviewed 37 clinical trial protocols with adaptive designs, and calculated sample size
- Extracted data from the protocols and finalized the database for analysis

Data Analyst, **COSCO Shipping Logistics Co. Ltd.** -Liaoning, China, Jun-Aug 2021

- Co-designed a database system to help forecast ocean freight trends base on fossil fuel price
- Created algorithm for real-time data collection to maintain up to date ship information

Data Research Intern, **Cinda Securities** -Liaoning, China, Jul-Sep 2020

- Supported the team leader in conducting industrial research on targeted industries and companies
- Collected data, performed data cleansing and categorization, and produced data visualization chart

PROJECT WORK

Mathematical Group Projects *Statistical Data Analysis and Modelling Stream*

Supervisors: Prof. David Sirl, Prof. Frank Ball and Prof. Theodore Kypraios, University of Nottingham, Nottingham, UK

- Modelled the intervals between successive failures of a particular car component
- Found the best strategy for the dice game: Higher or Lower, within the context of a statistical framework
- Used survival analysis to build colon cancer survival time models

EXTRACURRICULAR

Buddy System Student Mentor, **UoN** -Nottingham, UK, Sep 2022-Jun 2023

Induction Week Activity Leader, **UNNC** -Ningbo, China, Sep 2020-Jun 2021

Intern & Coach, **University Sports Center, UNNC** -Ningbo, China, Sep 2020-Jan 2021

SKILLS

- MS Office Suites, Python, R, SAS, SQL, MATLAB, HTML
- Scientific writing with LaTex
- Analytics Skills: Statistical modelling, Numerical analysis, Time series analysis, Survival analysis
- Languages: English, Mandarin Chinese (native speaker)