ZIJIAN CHEN

Email: zijian.chen@wisc.edu | Homepage: zchen.pro
Address: 4720 Medical Sciences Center, 1300 University Avenue, Madison, WI

EDUCATION

University of Wisconsin - Madison   Sep. 2021 - May. 2023
M.Sc. in Mathematics
GPA: 3.76/4.0

East China Normal University, Shanghai Jiao Tong University   Sep. 2018 - Jun. 2022
B.Sc. Major in Statistics, minor in Mathematics
GPA: 3.68/4.0

PUBLICATIONS AND PREPRINTS

[1] Dakurah, S., Anand, D.V., **Chen, Z.**, Chung, M.K. 2022, Modeling Cycles in Brain Networks Using Hodge Laplacian, Medical Image Computing and Computer Assisted Intervention (MICCAI) (received travel award).

[2] Chung, M.K., **Chen Z**. 2022, Embedding of Functional Human Brain Networks on a Sphere. https://arxiv.org/abs/2204.03653

[3] Liu T, **Chen Z**, Xu J. Epidemiological characteristics and incubation period of SARS-CoV-2 during the 2020-2021 winter pandemic wave in north China: an observational study. J Med Virol. 2021;1-6.

CONFERENCES

[1] Multiscale Representation Of Brain Networks In The Hyperbolic Space, 2022 CIBM Retreat, UW-Madison. (poster presentation)

[2] A review of sample size calculation in Phase III SARS-CoV-2 vaccine clinical trials, Shanghai Biostatistics Forum (SBF) Q3 Event, 2021. (oral presentation)

SERVICES

Undergraduate Research Project Instructor   Feb-May. 2022
Department of Mathematics, University of Wisconsin - Madison

· Project: vector of smallest slope for translation surfaces.

Directed Reading Program Mentor   Feb-May. 2022
Department of Mathematics, University of Wisconsin - Madison

· Topic: Probabilistic Perspectives in Machine Learning

Teaching Assistant   Jun-Jul. 2021
School of Statistics, East China Normal University

· Course: Biostatistics. Instructor: Jin Xu (ECNU), Menggang Yu (UW-Madison)

Research Assistant   Jan-Aug. 2021
Department of Statistics, East China Normal University

· Field of study: clinical trial design and analysis; statistical estimation algorithm

ACADEMIC AWARDS

- **National First Prize** in Chinese Undergraduate Mathematical Modeling Contest. Sep. 2020
- **Finalist (top 1% worldwide)** in Interdisciplinary Contest in Modeling. Feb. 2020
- **National Third Prize** in Chinese Mathematics Competition. Nov. 2019
- **Second Prize** in Chinese Undergraduate Mathematical Modeling Contest. Sep. 2019
- **ECNU Scholarship of Outstanding Students**. 2019, 2020, 2021

SKILLS

Software	Mathematica, Maple, Lingo, SPSS, SAS, JMP, Minitab, LaTeX
Programming	MATLAB > R > Python > C++ > Julia
Language	English, Mandarian, Cantonese