

Zijian Chen

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| CONTACT INFORMATION | email: zijianc@bu.edu | |
| RESEARCH FOCUS | Clinical Brain Imaging (for aphasia and autism) | |
| EDUCATION | Boston University , Boston, MA Ph.D. student in Electrical Engineering Advisor: Archana Venkataraman | 2023-Present |
| | University of Wisconsin-Madison , Madison, WI M.A. in Mathematics | 2021-2023 |
| | Shanghai Jiao Tong University , Shanghai, China Bachelor Minor in Mathematics | 2020-2022 |
| | East China Normal University , Shanghai, China B.Sc. in Statistics | 2018-2022 |
| PUBLICATIONS | <ol style="list-style-type: none">4. Chen, Z., Das, S. and Chung, M.K., 2023, Sulcal Pattern Matching with the Wasserstein Distance. In 2023 IEEE 20th International Symposium on Biomedical Imaging (ISBI) (pp. 1-5). IEEE.3. 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 2022. Lecture Notes in Computer Science, vol 13431. Springer, Cham.2. Chung, M.K., Chen, Z. 2022, Embedding of Functional Human Brain Networks on a Sphere. https://arxiv.org/abs/2204.036531. Liu, T., Chen, Z., Xu, J. 2021, 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. | |
| INVITED TALKS | Sulcal Pattern Matching with the Wasserstein Distance , ISBI 2023 Special section <i>Wasserstein Distance in Biomedical Imaging</i> . Invited by Moo K. Chung | 2023 |
| | Review of Sample Size Calc. in Phase 3 SARS-CoV-2 Vaccine Clinical Trials , Shanghai Biostatistics Forum (SBF) Q3 Event, 2021. Invited by Jin Xu. | 2021 |
| POSTER PRESENTATIONS | Sulcal Pattern Matching with the Wasserstein Distance , ISBI 2023, Cartagena de Indias, Columbia. | 2023 |
| | Multiscale Representation of Brain Networks in the Hyperbolic Space , Computation and Informatics in Biology and Medicine Annual Retreat, UW-Madison. | 2022 |
| TEACHING AND MENTORING | Madison Experimental Mathematics Lab @ UW-Madison Mentor four students for undergraduate research project on Ergodic Theory and Dynamics. Title: <i>Vectors of smallest slope for translation surfaces</i> . | 2022 |
| | Direct Reading Program @ UW-Madison Topic of the semester: <i>Probabilistic perspectives in machine learning</i> | 2022 |
| | Teaching Assistant: Biostatistics @ ECNU Job duty: Computer Lab Instructing, Grading, Office Hours, and Recitation. | 2021 |

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| FELLOWSHIP AND AWARDS | National First Prize in Chinese Undergraduate Mathematical Modeling Contest. | 2020 |
| | National Third Prize in Chinese Undergraduate Mathematics Competition. | 2019 |
| | ECNU Outstanding Student Fellowship | 2019,2020,2021 |
| CODING SKILLS | Python, MATLAB, C++ (in descending order) | |