

# Zijian Chen

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CONTACT INFORMATION	email: <a href="mailto:zijianc@bu.edu">zijianc@bu.edu</a>	
RESEARCH FOCUS	Neuroimaging (Post-stroke Aphasia)	
EDUCATION	<b>Boston University</b> , Boston, MA Ph.D. student in Electrical Engineering Advisor: Archana Venkataraman	2023-Present
	<b>University of Wisconsin-Madison</b> , Madison, WI M.A. in Mathematics	2021-2023
	<b>Shanghai Jiao Tong University</b> , Shanghai, China Bachelor Minor in Mathematics	2020-2022
	<b>East China Normal University</b> , Shanghai, China B.Sc. in Statistics	2018-2022
PUBLICATIONS	<ol style="list-style-type: none"><li>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.</li><li>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.</li><li>2. Chung, M.K., Chen, Z. 2022, Embedding of Functional Human Brain Networks on a Sphere. <a href="https://arxiv.org/abs/2204.03653">https://arxiv.org/abs/2204.03653</a></li><li>1. 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.</li></ol>	
INVITED TALKS	<b>Sulcal Pattern Matching with the Wasserstein Distance</b> , ISBI 2023 Special section <i>Wasserstein Distance in Biomedical Imaging</i> . Invited by Moo K. Chung	2023
	<b>Review of Sample Size Calc. in Phase 3 SARS-CoV-2 Vaccine Clinical Trials</b> , Shanghai Biostatistics Forum (SBF) Q3 Event, 2021. Invited by Jin Xu.	2021
POSTER PRESENTATIONS	<b>Sulcal Pattern Matching with the Wasserstein Distance</b> , ISBI 2023, Cartagena de Indias, Columbia.	2023
	<b>Multiscale Representation of Brain Networks in the Hyperbolic Space</b> , Computation and Informatics in Biology and Medicine Annual Retreat, UW-Madison.	2022
TEACHING AND MENTORING	<b>Madison Experimental Mathematics Lab @ UW-Madison</b> Mentor four students for undergraduate research project on Ergodic Theory and Dynamics. Title: <i>Vectors of smallest slope for translation surfaces</i> .	2022
	<b>Direct Reading Program @ UW-Madison</b> Topic of the semester: <i>Probabilistic perspectives in machine learning</i>	2022
	<b>Teaching Assistant: Biostatistics @ ECNU</b> Job duty: Computer Lab Instructing, Grading, Office Hours, and Recitation.	2021

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