

# ZENG QIUHAO

Mobile: (+1) 226 234 1810

## Personal Information

E-mail: qzeng53@uwo.ca

Gender: Male

Date of Birth: 12-November-1995

Nationality: Chinese

## Professional Summary

I am a third-year PhD student in the machine learning group under the Computer Science Department of Western University. I am supervised by Prof. Boyu Wang and Prof. Charles Ling (CAE). Currently, I am working on the problem of transfer learning, with a particular focus on temporal distribution shifts. I was a research associate (RA) in the Brain-Computer Interface (BCI) Group under the School of Computer Science and Engineering of Nanyang Technological University and supervised by Prof. Guan Cuntai, FIEEE. I have cooperated with Duke-NUS, Singapore & ETH & National University Hospital, Singapore, working on BCI and machine learning-based rehabilitation projects.

## Educational backgrounds

- \* PhD Computer Science, Western University Jan 2022-now
- \* M.sc Electrical Engineering, National University of Singapore Aug 2017-June 2018 CAP: 3.54/4.0
- \* Bachelor Engineering Mechanics, Harbin Institute of Technology Sept 2013-Jul 2017 CAP: 3.35/4.0

## Working Experience

- \* Software Engineer LITEON Singapore July 2018-Mar 2019
- \* Research Associate Nanyang Technological University Mar 2019-June 2021

## Publication

- Latent Trajectory Learning for Limited Timestamps under Distribution Shift over Time**, International Conference on Learning Representations (ICLR), 2024 (*oral*: top 1.2%), the first author
- Generalizing across Temporal Domains with Koopman Operators**, the Thirty-Eighth AAAI Conference on Artificial Intelligence (AAAI), Vancouver Canada, 20, Feb 2024, the first author
- Foresee What You Will Learn: Data Augmentation for Domain Generalization in Non-Stationary Environment**, the Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI), Washington DC USA, 7, Feb 2023, the first author
- Episodic task agnostic contrastive training for multi-task learning**, Neural Networks 162: 34-45 (2023). The fourth author
- LGGNet: Learning from Local-Global-Graph Representations for Brain-Computer Interface**, IEEE Transactions on Neural Networks and Learning Systems, the fourth author
- TSception: Capturing Temporal Dynamics and Spatial Asymmetry from EEG for Emotion Recognition**, the IEEE Transactions on Affective Computing, the fourth author

## Patent

- Mental Arousal Level Regulation System and Method**, PCT Patent no.PCT/SG2022/050243 (2022), the eighth author

## Research Activities

Conference Reviewer: AISTATS 2023, AISTATS 2024, ICLR 2024.

## Teaching Experience

Teaching Assistant: CS3346 Introduction to Artificial Intelligence; CS2210 Data Structures and Algorithms CS3388 Computer Graphics; CS3350 Computer Organization