

Triet Tran

PHD CANDIDATE · DATA SCIENCE AND ANALYTICS

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Education

University of Oklahoma

PHD DATA SCIENCE AND ANALYTICS

- Advisor: Dr. Sina Khanmohammadi

Norman, OK

Aug 2021 - present

Ho Chi Minh University of Technology

BS MECHANICAL ENGINEERING

- Minors in Industrial System of Engineering

Ho Chi Minh City, Vietnam

2009 - 2014

Publications

PUBLISHED

Seyed Majid Razavi, **Triet M. Tran**, and Sina Khanmohammadi. “Brain State Transition Disruptions in Alzheimer’s Disease: Insights From EEG State Dynamics”. 2025 IEEE International Symposium on Biomedical Imaging (ISBI). IEEE, 2025.

Triet M. Tran, Thi T. Tran, and Sina Khanmohammadi. “High-Order Resting-State Functional Connectivity is Predictive of Working Memory Decline After Brain Tumor Resection.” 2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC). IEEE, 2024

IN PREP

Triet M. Tran and Sina Khanmohammadi. “Predictive Power of High-Order Energy Landscapes in Post-Operative Working Memory.”

Triet M. Tran, Seyed Majid Razavi, Steven E. Wilson, and Sina Khanmohammadi. “Energy Landscape Analysis of fMRI Reveals Disruptions in Neural Adaptability of Multiple Sclerosis Patients.”

Triet M. Tran, and Sina Khanmohammadi. “Continuous Energy Landscapes in fMRI: A Graph Neural Network Approach to Enhanced Connectivity Modeling”

Professional Experience

2023-2025 **Graduate Teaching Assistant**, Data Science and Analytics, University of Oklahoma

2019-2021 **Data Scientist**, Viet Nam

2014-2018 **Business Development Executive**, Viet Nam

Awards, Fellowships, & Grants

2024 **OU College of Engineering Scholarship**, Gallogly College of Engineering
Gilbert Ludeman Memorial Scholarship, University of Oklahoma
OU GCoE Graduate Student Travel Award, Gallogly College of Engineering
Robberson Travel Grant, The Graduate College
IEEE EMBC NextGen Scholar Award, IEEE EMBC 2024

August

August

July

June

May

2023 **Robberson Travel Grant**, The Graduate College

October

Presentations

Matthew Beattie, **Triet M. Tran**. 2023. "A clustering and machine learning approach to identification of structural drivers of unsheltered homelessness." Poster presentation: The Computational Social Science Society of the Americas (CSS2023), SantaFe, NM.

Triet M. Tran, Thi T. Tran, and Sina Khanmohammadi. "High-Order Resting-State Functional Connectivity is Predictive of Working Memory Decline After Brain Tumor Resection." Poster presentation: Poster Fair & Networking Event, University of Oklahoma, OK.

Teaching Experience

2023-2025 **Professional Practicum**, Teaching Assistant

2023-2025 **3sigmalab**, Research Assistant

2022-2023 **DSA's Lab**, Research Assistant

Outreach & Skills

SERVICE AND OUTREACH

2021-2022 **DSA Club**, Chairman

2021-2022 **Student Organization**, Volunteer Member

SKILLS

Machine Learning / Modeling / Statistics.

Recommender Systems / Deep Learning: GNNs, GCN, LSTM, GRU,

Programming Language: Python, R.

Databases: SQLite, Bigquery, PostgreSQL, MySQL.