Quan T. Mai

University of Arkansas   quanmai@uark.edu
Fayetteville, Arkansas, US   https://quanmai.github.io

EDUCATION

University of Arkansas at Fayetteville, Arkansas, United States   2020 - 2025 (Projected)
PhD Student in Computer Engineering, CSCE Department
- Cumulative GPA (until present): 4.0/4.0

DaNang University of Science and Technology, DaNang, Viet Nam   Aug 2011-June 2016
Bachelor of Science in Electronics Engineering, Faculty of Electronics and Telecommunication
- Cumulative GPA: 3.44/4.0 (8.28/10)

RESEARCH INTERESTS

Graph Neural Networks
Natural Language Processing
High Performance Computing

SKILLS

Programming languages: C++, Python, CUDA, DPC++
Working on HPC environment, Linux
Deep learning framework: Pytorch, DGL, Pytorch Lightning

WORK EXPERIENCE

Research Assistant, NLP Lab, CSCE, University of Arkansas   Spring 2023-Present
Social media mining and analysis
Graduate Intern, HPC Solution Architect, Intel Corporation   Spring 2022-May 2022
Implemented a Molecular Dynamics sample using Intel OneAPI DPC++, running 10x faster than
naive C++ implementation.
Research Assistant, Computer System Lab, CSCE, University of Arkansas   Spring 2020-Fall 2021
Worked under guidance of Dr. Miaoqing Huang on High Performance Computing projects
IP Design Engineer, eSilicon (now Synopsys), Vietnam   August 2016 - October 2019
Circuit design team, worked major in developing high speed / ultra-high speed Pseudo two ports
(P2P) SRAM on the cutting edge of process: 28nm, 14nm, 10nm, 7nm and 5nm technology

PUBLICATIONS

Q. Mai, S. Gauch, D. Adams, M. Huang (2023), "*Sequence Graph Network for Online Debate Analysis*",
under review
Q. Mai, U. Nakarmi, M. Huang, *"BrainVGAE: End-to-end Graph Neural Networks for Noisy fMRI
Dataset"*, 2022 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)
T. Kamucheka, **Q. Mai**, M. Huang, X. Liu (2021), "*CuSMC: Fast Parallel Implementation for Sequential
Monte-Carlo on GPU*", under review; GitHub code: https://github.com/tkamucheka/CuSMC
M. D. Le, V. Singh Rathour, Q. S. Truong, **Q. Mai**, P. Brijesh and N. Le, "*Multi-module Recurrent
Convolutional Neural Network with Transformer Encoder for ECG Arrhythmia Classification*," 2021
IEEE EMBS International Conference on Biomedical and Health Informatics (BHI), 2021, pp. 1-5, doi:
10.1109/BHI50953.2021.9508527

EXTERNAL SERVICES
Conference of the European Chapter of the Association for Computational Linguistics (EACL)