ZIHENG DUAN

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EDUCATION

University of California, Irvine   Irvine，USA
Ph.D. in Computer Science   Sep 2021 – Present
- GPA: 3.83/4.00
- Award：Dean's Fellowship ($10K)

Zhejiang University   Hangzhou, China
B.E. in Control Science and Engineering   Sep 2016 – Jun 2020
- GPA: 3.74/4.00 (top 15%)
- Admitted on basis of performance on the National College Admissions Exam (top 0.1%)
- Double Major: Computer Science and Technology, Chu-Kochen Honors College
- Selected award: Research and Innovation Scholarship (Ranking of research and innovation: 5/77)

PUBLICATIONS (*CO-FIRST AUTHOR)

1. **Z Duan**, H Xu, Y Wang, Y Huang, A Ren, Z Xu, Y Sun, W Wang, "Multivariate time series classification with hierarchical variational graph pooling," 2022-08-02, *Neural Networks*.
2. **Z Duan**, H Xu, Y Huang, J Feng, Y Wang, "Multivariate Time Series Forecasting with Transfer Entropy Graph," 2022-07-02, *Tsinghua Science and Technology*.
3. **Z Duan**, Y Wang, W Ye, Q Fan, X Li, "Connecting Latent ReLationships over Heterogeneous Attributed Network for Recommendation," 2022-03-21, *Applied Intelligence*.
4. Yueyang Wang*, **Ziheng Duan***, Yida Huang, Haoyan Xu, Jie Feng, Anni Ren, "MTHetGNN: A Heterogeneous Graph Embedding Framework for Multivariate Time Series Forecasting," 2021-12-18, *Pattern Recognition Letter*.
5. Haoyan Xu*, **Ziheng Duan***, Yueyang Wang, Jie Feng, Runjian Chen, Qianru Zhang, Zhongbin Xu, "Graph partitioning and graph neural network based hierarchical graph matching for graph similarity computation," 2021-06-07, *Neurocomputing*.
6. Zhehan Liao, Yizhang Yang, Chengfeng Sun, Ruiqi Wu, **Ziheng Duan**, Yueyang Wang, Xipeng Li, Jian Xu, "Image-based prediction of granular flow behaviors in a wedge-shaped hopper by combing DEM and deep learning methods," 2021-05-01, *Powder Technology*.
7. Boxing Wang, Chunlin Zhou, **Ziheng Duan**, Qichao Zhu, Jun Wu, Rong Xiong, "Untethered Quadrupedal Hopping and Bounding on a Trampoline," 2019-10-24, *Frontiers of Mechanical Engineering*.
8. Yueyang Wang, **Ziheng Duan**, Binbing Liao, Fei Wu, Yueting Zhuang, "Heterogeneous Attributed Network Embedding with Graph Convolutional Networks," 2019-07-17, *AAAI-2019*.

SELECTED AWARDS AND HONORS

- Dean's Fellowship ($10K), University of California, Irvine   2021
- Star Bridge Award, Microsoft Research Asia   2020
- Research and Innovation Scholarship, Zhejiang University   2019
- Merit Student, Zhejiang University (won three times)   2017~2019
- Academic Excellence Scholarship, Zhejiang University (won three times)   2017~2019

SKILLS AND TEACHING

Skills
- Major Related Skills: Computational Biology, Machine Learning, Representation Learning
- Basic Science Knowledge: Probability, Mathematic Analysis, Linear Algebra, Physics

Programming Language and Tools
- Python, C/C++, MATLAB, Verilog, Assembly
- Pytorch, Tensorflow, LaTeX

Teaching
- Reader in ICS 178 (Fall 2021), ICS 178 (Winter 2021), ICS 6D (Spring 2022)