Jie Feng

University of California, San Diego
La Jolla, USA
jif005@ucsd.edu | jason222hh@gmail.com
Webpage : https://jiefeng-cse.github.io/

Education

University of California, San Diego, La Jolla, USA
Ph.D. Student in ECE — *Sep' 2021 - present*
- **Advisor:** Prof. Yuanyuan Shi

University of California, Berkeley, Berkeley, USA
Visiting Student — *Jul' 2020 - Nov' 2020*
- **Advisor:** Prof. Masayoshi Tomizuka

Zhejiang University, Hangzhou, China
Bachelor of Engineering, Automation (Robotics) — *Sep' 2017 - Jul' 2021*
- **GPA: 3.96/4.0**
- **Honors Program:** Mixed Class in Chu Kochen Honor College (**Top 5%** students at Zhejiang University)

Publications

Journal
- **Jie Feng**, Yuanyuan Shi, Guannan Qu, Steven H. Low, Anima Anandkumar, Adam Wierman. *Stability Constrained Reinforcement Learning for Real-Time Voltage Control in Distribution Systems*, IEEE Transactions on Smart Grid, under review
- Haoyan Xu, Ziheng Duan, Yueyang Wang, **Jie Feng**, Runjian Chen, Yida Huang.*Graph Partitioning and Graph Neural Network based Hierarchical Graph Matching for Graph Similarity Computation*, Neurocomputing, 2021
- Ziheng Duan, Haoyan Xu, Yida Huang, **Jie Feng**, Yueyang Wang *Multivariate Time Series Forecasting with Transfer Entropy Graph*, Tsinghua Science and Technology, 2021
- Haoyan Xu*, Yida Huang*, Ziheng Duan*, **Jie Feng**, Pengyu song, *Multivariate Time Series Forecasting Based on Causal Inference with Transfer Entropy and Graph Neural Network*, arxiv

Workshop
- XiangJi Wu, Ziwen Zhang, **Jie Feng**, Lei Zhou, Junmin Wu, *End-to-end Optimized Video Compression with MV-Residual Prediction*, CVPRW, 2020
- **Jie Feng**, Y Shi, G Qu, S H. Low, A Anandkumar, A Wierman. *Stability Constrained Reinforcement Learning for Real-Time Voltage Control in Distribution Systems*, NeurIPS Workshop on Tackling Climate Change using ML, under review

Internship

TuCodec AI Lab — **TuCodec, Shanghai**
Supervisor : Prof. Lei Zhou — *Jan '2020 - Jun '2020*

Research Intern On Video Compression

- Participated in the CVPR CLIC 2020. Our framework achieved the highest MS-SSIM performance for P-frame task in both validation phase and test phase.

Awards & Achievements

Scholarships & Awards
- **Innovation Scholarship for Academic Advances** (Chu Kochen College) *Nov '2020*
- **First-class Scholarship for Academic Excellence** (Top 3%) *Oct '2020*
- **1st Place in 3rd Challenge on Learned Image Compression in P-frame Track**, Conference on Computer Vision and Pattern Recognition *Jun '2020*
- **Tanglixin Scholarship** for Academic Excellence (30 out of 24878) *Nov '2018*
- **Academic Excellence Award**, Zhejiang University *2018 - 2020*

Computer Skills

Languages: C, C++, Python, MATLAB, LaTeX, Assembly
Frameworks: OpenCV, Pytorch, Tensorflow, PandaPower
Operating systems: Linux, ROS