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Yufan Zhou

Education

Zhejiang University — **Hangzhou, China**
B.E. in Process Equipment and Control Engineering — *Sept. 2010–July 2014*

University at Buffalo — **Buffalo, USA**
M.S. in Computer Science — *Aug. 2017–May 2018*

University at Buffalo — **Buffalo, USA**
Ph.D. in Computer Science — *Aug. 2018–present*

Research Interests

I'm broadly interested in Machine Learning. Currently I'm working on Kernel Methods, Statistical Manifolds and applications in Deep Generative Models, Graph Neural Networks.

Awards

Research Award, Department of Computer Science and Engineering, University at Buffalo — May. 2018

Employments

University at Buffalo — **Buffalo, USA**
Teaching Assistant — *Sept. 2018–present*
CSE 522 Object Oriented Design (Fall 19);
CSE 505 Fundamentals of Programming Languages (Spring 19);
CSE 531 Algorithms Analysis and Design (Fall 18);

University at Buffalo — **Buffalo, USA**
Research Assistant — *Summer 2019*

Cainiao Network Technology Co., Ltd (Alibaba Group) — **Hangzhou, China**
Algorithm Engineer Intern — *June 2018–Aug. 2018*

Research

Publications

1. **Yufan Zhou**, Zheshuo Li, Changyou Chen, Mingchen Gao, Hong Zhu, Jinhui Xu. *Weakly-supervised Brain Tumor Classification with Global Diagnosis Label*. IEEE International Symposium on Biomedical Imaging (**ISBI**), 2020.
2. Fan Yang, Alina Vereshchaka, **Yufan Zhou**, Changyou Chen, Wen Dong. *Variational Adversarial Kernel Learned Imitation Learning*. AAAI conference on Artificial Intelligence (**AAAI**), 2020.
3. Zhenyi Wang, Ping Yu, Yang Zhao, Ruiyi Zhang, **Yufan Zhou**, Junsong Yuan, Changyou Chen. *Learning Diverse Stochastic Action-Generators by Learning Smooth Latent Transitions*. AAAI conference on Artificial Intelligence (**AAAI**), 2020.
4. **Yufan Zhou**, Zheshuo Li, Hong Zhu, Changyou Chen, Mingchen Gao, Kai Xu, Jinhui Xu. *Holistic Brain Tumor Screening and Classification Based on DenseNet and Recurrent Neural Network*. International MICCAI Brainlesion Workshop (**BrainLes**), 2018.

Manuscripts/Preprints

1. **Yufan Zhou**, Changyou Chen, Jinhui Xu. *KernelNet: A Data-Dependent Kernel Parameterization for Deep Generative Modeling*.
2. **Yufan Zhou**, Changyou Chen, Jinhui Xu. *Learning Manifolds via Heat Equation and Heat Kernel*.
3. **Yufan Zhou**, Jiayi Xian, Changyou Chen, Jinhui Xu. *Graph Convolutional Networks with Composite Kernels*.

Professional Activities

Reviewer/Review Assistant

ICML 2019, UAI 2019, IJCAI 2019, NeurIPS 2019, AAAI 2020, ICLR 2020,