Email: yufanzho@buffalo.edu

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 interested in Machine Learning. Currently I'm working on Kernel Methods and their applications in deep learning(designing models such as Deep Generative Models and Graph Neural Networks, analysis with Neural Tangent Kernel, etc.).

Employments

University at Buffalo — **Buffalo, USA**
Teaching Assistant — *Sept. 2018–present*
CSE 562 Database Systems (Spring 20);
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. *Weakly-supervised Brain Tumor Classification with Global Diagnosis Label* (Oral).
   Yufan Zhou, Zheshuo Li, Chunwei Ma, Mingchen Gao, Changyou Chen, Hong Zhu, Jinhui Xu.
   IEEE International Symposium on Biomedical Imaging (**ISBI**), 2020.
2. *Variational Adversarial Kernel Learned Imitation Learning*.
   Fan Yang, Alina Vereshchaka, **Yufan Zhou**, Changyou Chen, Wen Dong.
   AAAI conference on Artificial Intelligence (**AAAI**), 2020.
3. *Learning Diverse Stochastic Action-Generators by Learning Smooth Latent Transitions*.
   Zhenyi Wang, Ping Yu, Yang Zhao, Ruiyi Zhang, **Yufan Zhou**, Junsong Yuan, Changyou Chen.
   AAAI conference on Artificial Intelligence (**AAAI**), 2020.
4. *Holistic Brain Tumor Screening and Classification Based on DenseNet and Recurrent Neural Network*.
   Yufan Zhou, Zheshuo Li, Hong Zhu, Changyou Chen, Mingchen Gao, Kai Xu, Jinhui Xu.
   International MICCAI Brainlesion Workshop (**BrainLes**), 2018.

Manuscripts

1. *Understanding Meta-Learning by Neural Tangent Kernel*
   Yufan Zhou[*], Zhenyi Wang[*], Changyou Chen, Jinhui Xu.

2. *KernelNet: A Data-Dependent Kernel Parameterization for Deep Generative Modeling*
   Yufan Zhou, Changyou Chen, Jinhui Xu.
   Submitted.
3. *Learning Manifold Implicitly via Explicit Heat Kernel Learning*.
   Yufan Zhou, Changyou Chen, Jinhui Xu.
   Submitted.
4. *Graph Convolutional Networks with Composite Kernels*.
   Yufan Zhou, Jiayi Xian, Changyou Chen, Jinhui Xu.
   Submitted.

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Professional Activities

Reviewer/Review Assistant

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