Yifan Liu

Affiliation: Intelligent Computing and Machine Learning Lab

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Personal: Gender: Female, Nationality: Chinese; DoB: 26/09/1993

Web: http://dsd.future-lab.cn/members/2016/Yifan%20Liu.html

Education/ Postdoctoral Training

- 09/2012-07/2016: **Bachelor (Beihang University, Beijing, CHINA)**
  School of Automation Science and Electrical Engineering

Practical Experience

- 05/2018-Now: **Intern of Microsoft Research of Asia**, belong to the group of visual computing
  I am doing research on semantic segmentation.
  School of Automation Science and Electrical Engineering
- 09/2016-02/2017: **Research Assistant (Beihang University, Beijing, CHINA)**
  School of Automation Science and Electrical Engineering
- 02/2017-05/2018: **Intern of Samsung R&D Institute China Beijing**, belong to antecedent technology research team, machine learning lab. I am doing some research about Generative Adversarial Networks(GAN), and applying it to the image generation task.
- 09/2015-09/2016: **Semi-sabbatical Instructor of Beihang University,** belong to School of Automation Science and Electrical Engineering.
- 03/2017: **Teaching assistant of the machine learning training for VMware.** I prepared for the practice parts and designed the experiments with the code for the course.

Skills

- **Research Interests**
  I am primarily interested in the area of Artificial Intelligence and its applications. My work is related to the following sub-areas of AI: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Agent-based Computational Economics and Intelligent Search.

- **Computing/Coding**
  Python,Matlab,C

- **Languages**
  Mandarin Chinese (native) and English (CET4, CET6, TOEFL)

Awards and Honors

- ➢ 2018 Second prize of "ZhiYin maker" business plan competition (auto-painter: 2/207)
- ➢ 2016 The outstanding graduates of Beijing
- ➢ 2012-2014 "Zeng xianzi" motivational scholarship
- ➢ 2013-2014 Robot Competition Champion of Beihang university

Publications

Conference Papers

- ➢ **Yifan Liu**, Zengchang Qin, Pengyu Li and Tao Wan (2017), Stock volatility prediction using recurrent neural networks with sentiment analysis, *IEA/AIE 2017*
- ➢ **Yifan Liu**, Liang Li, Pengyu Li, Zengchang Qin, and Tao Wan (2017), Logical Parsing from Natural Language Based on a Neural Translation Model, *PACLING 2017*
- ➢ Xinyue Zhu*, **Yifan Liu***, Zengchang Qin, Zongze Yang (2017), Emotion Classication with Data Augmentation Using Generative Adversarial Networks, *PAKDD 2018*

Journal

- ➢ **Yifan Liu**, Zengchang Qin, Zhenbo Luo and Hua Wang (2017), Auto-painter: Cartoon Image Generation from Sketch by Using Conditional Generative Adversarial Networks, *Neurocomputing (SCI Q2)*