Yinan Feng | Curriculum Vitae

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Objective: Applied Computer Science PhD

🎓 Education

Huazhong University of Science and Technology (HUST), Wuhan, China 2014 – 2018
Bachelor of Engineering in Electronics Engineering (EE)
Overall GPA: 85.9/100 (3.75/4), Rank: 15/186

🔖 Publications

[1] **Y. Feng**, S. Ji, P. Zhou, R. Beyah "AVG: A Framework of Adversarial Video Generation". *CVPR 2019. (in submission)*

[2] **Y. Feng**, P. Zhou, S. Ji, D. O. Wu and Jie Xu, "Video Big Data Retrieval Over Media Cloud: A Context-aware Online Learning Approach". *IEEE Trans. Multimedia. (minor revision)*

[3] **Y. Feng**, P. Zhou, D. O. Wu and Y. Hu, "Accurate Content Push for Content-Centric Social Networks: A Big Data-Support Online Learning Approach". *IEEE Trans. Emerg. Top. Comput. Intell.*, 2017.

[4] A. Zhou, **Y. Feng**, P. Zhou and Jie Xu, "Social Intimacy Based IoT Services Mining of Massive Data". *Proc. IEEE Int'l Conf. Data Mining Workshops Data Mining for Service (ICDMW DMS)*, 2017.

👥 Experience

Research Fellow Supervisor: Prof. Shouling Ji

Hangzhou, Zhejiang University, PRC Mar. 2018 – Present

Major project: Generating video adversarial example for action recognition DNN

- Analyzed the current DNN architectures of action recognition.
- Designed a GAN-based approach to generate video adversarial example.
- Evaluated our approach in two state-of-art action recognition models.
- Wrote a paper and submitted to AAAI 2019.

Research Assistant Supervisor: Prof. Pan Zhou

Wuhan National Laboratory for Optoelectronics, PRC Mar. 2016 – 2018

Major project: Multimedia Big Data mining by statistical machine learning and online learning

- Proposed a novel contextual online learning algorithm for big data applications.
- Analyzed our algorithm and proved it has sublinear regret and high efficiency.
- Designed a personalized video big data retrieval system.
- Collected real-world searching data and verified our system on the data.
- Wrote a paper and submitted to TMM.

Project 2: Content recommendation on content-centric networks (CCN)

- Analyed the characters of content-centric social networks.
- Improved our contextual online learning algorithm to apply to accurate content push on CCN.
- Verified our algorithm on a simulating CCN.
- Wrote a paper and submitted to TETCI.

Project 3: Social Intimacy Based Internet of Things Service mining

- Collaborated to propose a novel social intimacy based online learning system for IoT service mining.
- Wrote a paper and it is accepted by ICDM Workshop on DMS.

Other experiments:

- Being invited to review the paper submited to TMM.
- Learning deep learning from graduate students in the same lab.

❦ RESEARCH INTEREST

Machine Learning; AI Security; Multimedia; Reinforcement learning; Artificial Intelligence; Data mining

♡ HONORS AND AWARDS

School-level Merit Students   2015 - 2016
Top 5% among all undergraduates in school of electronic information and communication

Learning Merit Scholarship   Oct, 2015
Top 10% among all undergraduates in school of electronic information and communication

Outstanding Graduate of Huazhong University of Science and Technology   Jun, 2018

⚙ SKILLS

- Programming Languages: C, Python, Matlab, Verilog.
- English: TOEFL 101.
- Other: ARM devices development, LaTeX.