Hong Yan

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Education

2019–Now **Ph.D. Computer Science and Technology**, *Shanghai Jiao Tong University*, Shanghai, China.
Majoring in computer vision, advised by Li Niu (*http://bcmi.sjtu.edu.cn/home/niuli/*) in BCMI lab (*http://bcmi.sjtu.edu.cn*)

2016–2019 **M.S. Information Engineering**, *Shanghai Jiao Tong University*, Shanghai, China.
Majoring in indoor localization and computer vision, advised by Peilin Liu (*http://bat.sjtu.edu.cn/zh/people-zh/*) in BATC lab (*http://bat.sjtu.edu.cn*)

2012–2016 **B.S. Information Engineering**, *Shenzhen University*, Shenzhen, China.
Majoring in electronic information engineering, GPA:3.90/4.0, 4/385

Research Experiments

2019–Now **Few-shot image generation**, *Computer vision*, Meta learning, generative adversarial network.
This research project mainly leverages few-shot images to generate new concepts.

2018–2019 **Multi-task learning with disjoint datasets**, *Computer vision*, Multi-task learning, semi-supervised learning.
This research project (*https://github.com/bcmi/multi-task-learning*) aims to improve multi-task performance with disjoint datasets as input.

2017–2018 **Deep sentiment analysis by combining facial expression and action**, *Computer vision*, Multi-task learning.
This research project (*https://github.com/hy-zpg/bimodal-sentiment-analysis*) targets at combining facial expression and action to analyze deep sentiment.

2016–2017 **Indoor localization with WiFi fingerprint**, *Signal processing*, indoor localization.
This research project (*https://github.com/hy-zpg/WIFI-fingerprint-indoor-localization*) mainly focuses on improving WIFI-based indoor localization accuracy with deep belief networks.

Project Experience

2018-2018 **Micro-emotion recognition**, *Computer vision*, Classification.

2017-2018 **Smart home**, *Computer vision*, Classification.

2017-2018 **Multi-view object recognition**, *Computer vision*, Regression, classification.

2016-2017 **Indoor Localization**, *Signal process*, Indoor localization.

Publications

2019 **Beyond Preserving Information: Multi-Task Learning with Disjoint Datasets**, *Computer vision*.

2018 **Indoor Fingerprint Location Technology Based on Deep Belief Network**, *Indoor localization*.

2018 **WiDeep: Learning Featured Fingerprints with DBN framework for Indoor Localization**, *Indoor localization*.

2017 **A WiFi Indoor Positioning System Based on Deep Learning**, *Indoor localization*.

Teaching

Spring 2017 **Digital Circuits**, *Shanghai Jiao Tong University*.

Honors and Awards

- **League secretary, Second-class scholarship**, Shanghai Jiao Tong University, 2016-2018

- **Outstanding Graduate Award**, Shenzhen University, 2016
- **Outstanding Bachelor Dissertations/theses** , Shenzhen University, 2016
- **National Endeavor Fellowship**, Shenzhen University, 2012-2016
- **Primary Scholarship**, Shenzhen University, 2012-2016

Computer Skills

- **Programming Languages**: C/C++, Python, Matlab, Java
- **Libraries:**: OpenCV, Tensorflow, Pytorch