

# Hong Yan

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📄 <https://github.com/hy-zpg>

## 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

## 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

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## Computer Skills

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