YAN JU

Xi'an, Shaanxi Province, 710071, China

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EDUCATION

Xidian University, Xi'an, China *Expected July 2019*
M.E. in Circuit and System Average grade: 87.49/100
School of Artificial Intelligence

Xidian University, Xi'an, China *Aug.2012 - July 2016*
B.E. in Remote Sensing Science and Technology Average grade: 87.77/100
School of Electronic Engineering

RESEARCH INTERESTS

Computer Vision, Machine Learning

PUBLICATIONS

Modified Diversity of Class Probability Estimation Co-training for Hyperspectral Image Classification Undergoing Review

- **Yan Ju**, Lingling Li, and Licheng Jiao

- IEEE Transactions on Geoscience and Remote Sensing (IF=4.662)

- Link: arXiv:1809.01436 [cs.CV]

- Code: https://github.com/littlejgogo/MDCPE-co-training-method-for-hyperspectral-image-classification

Dual-channel Deep Network for Hyperspectral Image Classification Application Pending

- **Yan Ju**, Licheng Jiao, and Xu Tang

- China's Invention Patent #CN201810113878.4

RESEARCH EXPERIENCES

2018 IEEE GRSS Data Fusion Contest: Multispectral LiDAR Classification *Jan.2018 - Mar.2018*

- Designed a coarse-to-fine classification framework for multi-source data fusion and classification, achieved accuracy of 75.82% on official testing dataset.

- As team leader, took charge of integration of classification algorithms and model implementation on TensorFlow.

- **Results: 5th place**

Remote Sensing Image Classification of PolSAR (National High-tech R&D Program of China) *July.2017 - Oct.2017*

- Improved Fully Convolutional Networks (FCN) for rapid classification of million-level image within 60s.

- Took charge of model implementation on Caffe.

Classification of Hyperspectral Remote Sensing Images (National Program on Key Basic Research Project) *Jan.2017 - May.2017*

- Designed a dual-channel deep network based on RNN and CNN to improve classification accuracy and regional consistency.

- Took charge of model implementation on TensorFlow.

MIT summer program on AI *July 2018 - Aug.2018*

- Took courses on Cloud Computing, NLP and HTML programming language, etc.

- Participated in Hackathon and designed a Chatbot with API of IBM Watson.

HONORS & AWARDS

Outstanding graduate student in 2017

Outstanding undergraduate in 2014

Awarded first-class scholarship in 2017, 2016 and 2014

WORK EXPERIENCES

Research Assistant *Dec.2016 - Present*
Key Laboratory of Intelligent Perception and Image Understanding of Ministry of Education of China

- Organized The 2018 Artificial Intelligence Forum of Deans (more than 2000 attendees), took charge of communicating with attendees on meeting schedule.

- Assisted in organizing four academic seminars at the school level.

TECHNICAL STRENGTHS

Computer Languages	Python, MATLAB
Software & Tools	Linux, Windows, TensorFlow, Caffe, LaTeX