XIN WANG

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EDUCATION

Donghua University, Shanghai, P.R.China *Sep. 2015 - Pres.*
Ph.D in Digital Textile Engineering
Related courses: Numerical analysis, Computer graphics, Computer vision
Self-educated: CS231n, CS20SI, Machine Learning, Python

Lanzhou University of Technology, Lanzhou, Gansu, P.R.China *Sep. 2011 - Jul. 2017*
Bachelor of Textile Engineering.
Related courses: Advanced mathematics, Linear algebra, Probability theory and mathematical statistics

RESEARCH

Outfit Compatibility Prediction and Diagnosis with Multi-Layered Comparison Network *Aug. 2018 - Pres.*
- [Code] - ACM Multimedia 2019, First Author

- Proposed to diagnose the compatibility of the outfit, which is implemented by using the gradient values to approximate the importance of input similarities.
- Proposed to learn outfit compatibility from all pairwise similarities.
- Leverage the feature hierarchy of CNN to provide both low-level and high-level features for prediction and diagnosis.

Fabric Idenfication using Convolutional Neural Network *Oct. 2017 - Jul. 2018*
- [Code] - Artificial Intelligence on Fashion and Textile Conference (AIFT) 2018, First Author

- Explored to retrieve fabric texture with deep extracted features, which is implemented with a CNN with softmax cross entropy and centor loss.

INTERSHIP

JD AI Research, Beijing Aug. 2018 - Mar. 2019
Computer Vision and Multimedia Lab, R&D Intern

· Built a multi-task network for fashion attribute classification, achieved state-of-the-art performance on DeepFashion dataset.
· Implemented metric learning and sequence models for fashion outfit compatibility prediction, proposed multi-layered comparison network for superior prediction performance and diagnosis ability.

SELECTED AWARDS

Awarded The First Prize Scholarship for two years during my undergraduate period.

Won the 4th place in 2018 JD fashion style recognition challenge and got an internship.

TECHNICAL STRENGTHS

Computer Language	Intermediate: Python; Basic: C/C++, Bash, Matlab, SQL
Deep Learning Framework	TensorFlow, PyTorch
Tools	Git, Vim, LaTeX, Scrapy, Scikit-learn, Sed, Awk