

LUCAS XU

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🎓 EDUCATION

Huazhong Agricultural University 2016.09 – 2019.06

Master Machine Learning & Computer Vision

Hubei University of Technology 2011.09 – 2015.06

Bachelor Management Information System

🎓 RESEARCH

Publications (Machine Learning/Computer Vision) 2017.01 – Present

- **Xu L**, Fan H, Xiang J. Hierarchical Multi-Task Network For Race, Gender and Facial Attractiveness Recognition[C]//2019 IEEE International Conference on Image Processing (ICIP). IEEE, 2019: 3861-3865. (**Oral. CCF C, EI**)
- Fan H, **Xu L**, Xiang J. Complementary Siamese Networks for Robust Visual Tracking[C]//2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). IEEE, 2019: 2247-2251. (**CCF B, EI**)
- **Xu, Lu**, Jinhai Xiang, and Xiaohui Yuan. "CRNet: Classification and Regression Neural Network for Facial Beauty Prediction." Pacific Rim Conference on Multimedia (PCM). Springer, Cham, 2018. (**CCF C, EI**)
- **Xu L**, Xiang J, Wang Y, et al. Data-Driven Approach for Quality Evaluation on Knowledge Sharing Platform[C]//2019 International Conference on Machine Learning and Cybernetics (ICMLC). IEEE, 2019: 1-6. (**EI**)
- **Xu L**, Xiang J, Yuan X. Transferring rich deep features for facial beauty prediction[J]. arXiv preprint arXiv:1803.07253, 2018. (Accepted to International Symposium on Artificial Intelligence and Robotics (ISAIR)) (**EI**)
- **Reviewer of Elsevier Journal <Neurocomputing>** (**SCI, IF=4.072**)
- Reviewer of <Indonesian Journal of Electrical Engineering and Computer Science> (**EI**)

👥 EXPERIENCE

Blibee 2019.02 – Present

Store Intelligent Decision-making Department

Computer Vision Algorithm Engineer

- Online Food Recognition System: 0.963 AP for detection, 95.66% accuracy for recognition
- Daily fresh food recognition with 0.920 AP and 99.09% accuracy
- Products (Tissue&Clothing) Re-identification with 99.43% rank-1 accuracy
- Design and implementation of online deep learning serving system for assistants' behavior analysis and asynchronous product recognition (PyTorch + Django + TensorRT + Nginx)
- Develop a web-based image retrieval annotation system (PyTorch + Django + Faiss)

DiDi 2018.09 – 2019.01

Security Product & Technology Department

Deep Learning Intern

- License image quality recognition (P=93.15%, R=98.35%) and scene recognition (P=99.89%, R=99.90%)
- License type recognition (R=99.77%, R=99.76%) and completeness recognition (P=99.80%, R=99.81%)
- Facial beauty prediction with 0.89 Pearson Correlation
- Write 21 patents related to safety products

Aisino Corporation 2015.06 – 2016.06

Financial Software Department

Software Engineer

- Develop and maintain 2 web information system based on Java SSM framework and MySQL
- Multi-thread web crawling system (e.g. Ctrip, Dazhong Dianping, AMap)
- Data statistics, analysis and visualization, which provide important data support for offline product location

⚙️ SKILLS

- English: (CET-6: 575/710). Proficiency in Reading and Writing
- Algorithm: Deep Learning/Machine Learning/Computer Vision/Data Mining/Data Analysis
- Programming: Java == Python > R > C++
- Framework: PyTorch/TensorFlow/MXNet/Scikit-Learn/OpenCV/DeepLearning4J
- Database: MongoDB/MySQL/Oracle/Redis
- Others: Web Crawler/Web Development/Office/Docker(Familiar)/ \LaTeX