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

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.   (**CCF C**)
- Fan H, **Xu L**, Xiang J. Complementary Siamese Networks for Robust Visual Tracking[C]//ICASSP 2019-2019 IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**). IEEE, 2019: 2247-2251. (**CCF B**)
- **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**)
- **Xu L**, Xiang J, Yuan X. Transferring rich deep features for facial beauty prediction[J]. arXiv preprint arXiv:1803.07253, 2018. (Accepted to The 2th International Symposium on Artificial Intelligence and Robotics)   (**EI**)
- **Xu, Lu**, et al. "Data-driven Approach for Quality Evaluation on Knowledge Sharing Platform." 2019 International Conference on Machine Learning and Cybernetics (ICMLC). IEEE, 2019.   (**EI**)
- **Reviewer of Elsevier Journal <Neurocomputing>**

Projects   2016.09 – Present

- Xu L, Wang Y. XCloud: Design and Implementation of AI Cloud Platform with RESTful API Service [1] [J]. arXiv preprint arXiv:1912.10344, 2019.
- Web Data Crawling & Analysis of Lagou [2]
- Software Copyright: Hot Topic Detection & Tracking System (2015SR165186) [3]

👥 EXPERIENCE

Blibee   2019.02 – Present

Vision Algorithm Engineer

Store Intelligent Decision-making Department (Focus on Product Digitalization)

- Kanto Cooking (Discard) detection with 0.963 AP, and fine-grained recognition with 95.66% accuracy
- Daily fresh food recognition with 0.920 AP and 99.09% accuracy
- Products Re-identification with 99.43% rank-1 accuracy
- Model deployment with RESTful API (Django + TensorRT + Nginx)

DiDi   2018.09 – 2019.01

Algorithm Intern

Security Product & Technology Department (Focus on Secure Trip Assurance)

- License image quality recognition (reflection/blur) with 93.15% Precision and 98.35% Recall
- Facial beauty prediction with 0.89 Pearson Correlation
- License type recognition with 99.77% Precision and 99.76% Recall
- Scene recognition (in car/out of car) with 99.89% Precision 99.90% Recall
- License completeness recognition with 99.80% Precision and 99.81% Recall
- Write 21 patents related to safety products

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[1] https://github.com/lucasxlu/XCloud.git
[2] https://github.com/lucasxlu/LagouJob.git
[3] https://github.com/xuludev/System.git

Beijing Jiewen Tech, Huazhong R&D Center.   2015.06 – 2016.06
Java/Web Spider Developer

Financial Software Department (Focus on Data Analysis & Fiancial MIS Development)
- Develop and maintain web information system based on Java SSM framework and MySQL database
- Develop web crawlers to collect data from O2O websites (e.g. Ctrip, Dazhong Dianping, AMap) based on Python/Java and MySQL/MongoDB
- 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
- Others: Web Crawler/Web Development/Office/LaTeX