

Daiqian Ma

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EDUCATION

Peking University, Beijing, China

- M.S in Computer Applied Technology
- National Engineering Laboratory for Video Technology

Aug 2016 – Jun 2019

Xidian University, Xi'an, China

- B.S. in Communication Engineering

Aug 2012 – Jun 2016

SKILLS

Python, C, C++, C#, Matlab, OpenCV, Pytorch, Tensorflow

INTERN

EXPERIENCE

Pony.ai Inc. Beijing

- Computer Vision Engineer
 - worked on perception algorithms to make vehicles more intelligent.

Aug 2019 – now

Texas Instruments Inc. Shanghai

- Vehicle Application Developing Intern
 - worked on developing vision algorithm on the embedded vehicle chips.
 - fisheye camera calibration, 360° surrounding view, moving object detection etc.

Oct 2015 – Jun 2016

PUBLICATIONS

- Daiqian Ma, Renjie Wan, Boxin Shi, Alex Kot, Ling-Yu Duan . “Learning to Jointly Generate and Separate Reflections.” *International Conference on Computer Vision (ICCV)*, Seoul, Korea, Oct 2019. (poster)
- Daiqian Ma, Yan Bai, Renjie Wan, Ce Wang, Boxin Shi, Ling-Yu Duan. “See Through the Windshield from Surveillance Camera Images.” *In Proceedings of the ACM on Multimedia Conference (MM)*, Nice, France, Oct 2019. (accepted)
- Bin He, Feng Gao, Daiqian Ma, Boxin Shi, Ling-Yu Duan. “ChipGAN: A Generative Adversarial Network for Chinese Ink Wash Painting Style Transfer” *In Proceedings of the ACM on Multimedia Conference (MM)*, Korea, Oct 2018. (poster)
- Daiqian Ma, Feng Gao, Yan Bai, Yihang Lou, Shiqi Wang, Tiejun Huang, Ling-Yu Duan. “From Part to Whole, Who is Behind the Painting?.” *In Proceedings of the ACM on Multimedia Conference (MM)*, MountainView, USA, Oct 2017. (oral)

AWARDS &

SCHOLARSHIPS

- Excellent Graduate Award (PKU)
- National Scholarship
- Huawei Scholarship
- CCF Software Certification, top 0.36%
- The Mathematical Contest In Modeling, Finalist, 22/7632
- ACM-ICPC Asia Regional Contest, Silver Medal

Jul 2019

Oct 2017

Mar 2016

May 2015

Apr 2015

Oct 2014

INTERESTS

Traveling, reading, table tennis, football and so on.

PROJECTS

Windshield Restoration Under Surveillance Camera

Jun 2018 – Nov 2018

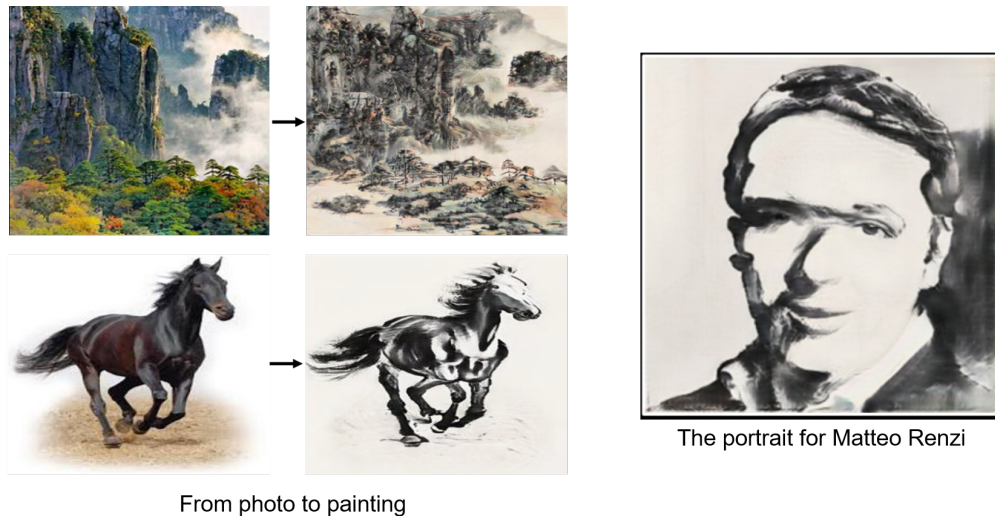
- This project aimed to enhance the windshield images under surveillance cameras.



Daozi AI Painting System

Jul 2017 – Mar 2018

- One of the core developers. The system reached the best performance among the existing AI ink wash painting systems. The relative news report was shown in CCF-GAIR 2018 and **CCTV** (the most famous TV channel in China).



Singapore Landmark Retrieval

Jan 2017 – Feb 2017

- This project was completed under the cooperation with ROSE Lab, NTU. I was responsible for extracting the deep CNN feature to assist the typical CDVS features. Finally, it is accepted by Singapore government.

Vehicle Re-ID, Image Enhancement, Style Transfer, Face Recognition etc.