Lingbo Yang | Curriculum Vitae

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Introduction

Lingbo Yang received his Bachelor's Degree in Mathematics and Applied Mathematics at Peking University. Currently he is pursuing the Ph. D. career in Computer Application Technology at the Institute of Digital Media, Peking University, under the supervision of Prof. Siwei Ma and Wen Gao.

In Dec. 2020, Lingbo Yang joined DAMO Academy, Alibaba Group as a Research Intern, where he was working on fundamental problems in human pose/motion transfer and semantic-guided content generation, with an attempt to empowering various applications in fashion design, media content creation, and online advertising. During the internship, Lingbo has published 2 conference papers and 3 patents, with more coming on the way.

Besides academic research, Lingbo Yang is also very enthusiastic about communicating and sharing research ideas and technological advances with the public by given public talks, creating Github open-source projects, and providing subtitling services.

Education

Ph. D. Student, Video Coding Laboratory   **Beijing, China**
Peking University   *Sep 2016 - Now*
B. S. of Mathematics and Applied Mathematics   **Beijing, China**
Peking University   *Sep 2012 - Jun 2016*

Current Research Interests

- Pose-guided human image/video generation
- Semantic-guided detailed image synthesis

Work Experience

DAMO Academy, Alibaba Group, Research Intern   **2019.12-**
Artificial Intelligence Center, Hangzhou
- Deep Semantic-guided image/video synthesis
- Fashion content creation

Publications

HiFaceGAN: Face Renovation via Collaborative Suppression and Replenishment   **2020**
Lingbo Yang, Chang Liu, Pan Wang, Shanshe Wang, PeiRan Ren, Siwei Ma, Wen Gao
[Arxiv]   [Github Repo]

Region-Adaptive Texture Enhancement for Detailed Person Image Synthesis   **2020**

Lingbo Yang, Pan Wang, (5 other authors), Siwei Ma, Wen Gao
IEEE International Conference on Mlutimedia and Expo (oral)   [**Paper**]

Disentangled Human Action Video Generation via Decoupled Learning   2019
Lingbo Yang, Zhenghui Zhao, Shiqi Wang, Shanshe Wang, Siwei Ma, Wen Gao
ICME Workshop on Visual Fashion Computing   [**Paper**]

Github Projects

densebody_pytorch   [**Project Link**]
Pytorch implementation for estimating 3D human mesh from a single image   *332 stars, 59 forks*

everybody_dance_now_pytorch   [**Project Link**]
Pytorch implementation for human action transfer   *159 stars, 43 forks*

KEY SKILLS

I have working knowledge in a variety of tools, where my preferred tools are marked **Bold**.

Programming Language Python, Matlab, C++
Deep Learning Framework PyTorch, Tensorflow
English Proficiency GRE (158+170 in 2015)

Miscellaneous

Olympic Contests

National Silver Price, Recommended for Admission by PKU   **Shaanxi, China**
28th Chinese Physics Olympiad   *Nov. 2011*

Talks

Invited Speaker of the Student Forum on Frontiers of AI (SFFAI)   [**Video Link**]
Institute of Automation, Chinese Academy of Sciences   *Jan 6th, 2019*

Non-profitable Public Services

VALSE Webinar Subtitling Service   [**Video Link**]
Provide bilingual subtitles for Junyan Zhu VALSE talk   *Feb 14th, 2019*