Wentao Jiang

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EDUCATION

Beihang University — Beijing, China
Ph.D. in Artificial Intelligence, supervised by Prof. Si Liu — *Sep. 2020 - June 2024 (Expected)*

Beihang University — Beijing, China
M.Phil. in Computer Science, supervised by Prof. Si Liu — *Sep. 2019 - June 2020*

Harbin Engineering University — Harbin, China
B.Eng. in Software Engineering; GPA: 91/100 (Top 2%) — *Sep. 2015 - June 2019*

EXPERIENCE AND PROJECTS

Adobe Research — Beijing, China (Remote)
Collaborative Researcher, supervised by Dr. Ning Xu and Dr. Zhe Lin — *Sep. 2020 - Nov. 2020*

- Explored a new task: automaticly edit photos via linguistic requests (e.g., "Increase the brightness a lot")
- Proposed the PhotoshopGAN (submitted to *CVPR* 2021) to directly embed language information into modulation parameters, which can edit the photo in a spatial-adaptive way. Proposed a new evaluation metric called Redescription Similarity Score to evaluate whether the edited results match the requests or not

SenseTime Research — Beijing, China
Research Intern, supervised by Dr. Wayne Wu — *June 2020 - Sep. 2020*

- Worked on robust makeup transfer algorithm for high-resolution images, aiming at bringing makeup transfer method to mobile apps. Collected a high-resolution dataset for makeup transfer

Beihang University — Beijing, China
Research Assistant, supervised by Prof. Si Liu — *Aug. 2018 - present*

- Worked on conditional image synthesis tasks, including makeup transfer and image-to-image translation
- Proposed the PSGAN (accepted by *CVPR* 2020 as oral presentation), which is the first to achieve shade-controllable, partial, and robust makeup transfer. Our Github Repo receive over **270** stars within five months. The extended version PSGAN++ was submitted to *TPAMI*

PUBLICATIONS

- Wentao Jiang, Ning Xu, Jiayun Wang, Chen Gao, Jing Shi, Zhe Lin, Si Liu, "**Language-Guided Global Image Editing via Cross-Modal Cyclic Mechanism**", *IEEE International Conference on Computer Vision (ICCV)* 2021

- Si Liu, Wentao Jiang, Chen Gao, Ran He, Jiashi Feng, Bo Li, Shuicheng Yan, "**PSGAN++: Detailed Makeup Transfer and Removal with Pose and Expression Robust Spatial-Aware GAN**", submitted to *TPAMI*

- Wentao Jiang, Si Liu, Chen Gao, Jie Cao, Ran He, Jiashi Feng, Shuicheng Yan, "**PSGAN: Pose and Expression Robust Spatial-Aware GAN for Customizable Makeup Transfer**", *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)* 2020, Oral Presentation

- Wentao Jiang, Si Liu, Chen Gao, Ran He, Bo Li, and Shuicheng Yan, "**Beautify As You Like**", *ACM International Conference on Multimedia (ACM MM)* 2020, Demo Paper

- Defa Zhu, Si Liu, Wentao Jiang, Chen Gao, Tianyi Wu, Qiangchang Wang, Guodong Guo, "**UGAN: Untraceable GAN for Multi-Domain Face Translation**", *arXiv preprint arXiv:1907.11418, 2019*

HONORS AND AWARDS

- **Outstanding Freshman Scholarship for PhD Student (Top 5%)**, Beihang University, 2020
- **First Class Scholarship (Top 10%)**, Beihang University, 2019
- **Outstanding Freshman Scholarship for Master Student (Top 5%)**, Beihang University, 2019
- **Outstanding Graduates (Top 2%)**, Harbin Engineering University, 2019
- **Merit Student (Top 1%)**, Heilongjiang Province, 2019
- **National Scholarship (Top 1%)**, 2017
- **Silver Medal**, ACM-International Collegiate Programming Contest (ICPC) Asia Regional Contest, 2017
- **Silver Medal × 3**, China Collegiate Programming Contest (CCPC) Regional Contest, 2016 - 2017