

LIKUN CAI

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EDUCATION

Fudan University <i>Ph.D. student in Computer Science</i>	Shanghai, China Sep. 2020 – Present
ShanghaiTech University <i>Master in Computer Science, GPA: 3.57</i> <ul style="list-style-type: none">• Advisor: Prof. Ning Cai	Shanghai, China Sep. 2017 – Jul. 2020
Xidian University <i>Bachelor in Space Information and Digital Technology, GPA: 3.6</i> <ul style="list-style-type: none">• National Encouragement Scholarship	Shaanxi, China Sep. 2013 – Jul. 2017

EXPERIENCE

Amazon Web Services <i>Research Intern</i> <ul style="list-style-type: none">• Under the supervision of Dr. Zhu Yi and Dr. Li Mu.• Research on 2D object detection• Aim to build strong and robust object detection system for real-world scenarios including long-tailed distribution, few-shot learning, and open-vocabulary	Shanghai, China Dec. 2020 - Present
Tencent GYLab <i>Research Intern</i> <ul style="list-style-type: none">• Under the supervision of Dr. Gang Yu.• Research on generative models• Aim to develop better makeup transfer model for human-face with help of generative adversarial net and 3D face reconstruction	Shanghai, China Apr. 2020 - Aug. 2020

PUBLICATIONS

* indicates equally contributions.

Likun Cai, Zhi Zhang, Yi Zhu, Li Zhang, Mu Li, and Xiangyang Xue. “BigDetection: A Large-scale Benchmark for Improved Object Detector Pre-training.” *CVPR Workshop on Vision Datasets Understanding*. 2022.
[paper] [code]

Likun Cai, Yanjie Chen, Ning Cai, Wei Cheng, and Hao Wang. “Utilizing amari-alpha divergence to stabilize the training of generative adversarial networks.” *Entropy* 22, no. 4 (2020): 410.
[paper] [code]

Chen, Yanjie*, **Likun Cai***, Wei Cheng, and Hao Wang. “Super-Resolution Coding Defense Against Adversarial Examples.” In *Proceedings of the 2020 International Conference on Multimedia Retrieval*, pp. 189-197. 2020.
[paper]

SKILLS

Tools and Lanugages	Git, \LaTeX , Markdown, Python[good], C/C++ [basic]
Quantitative Research	Deep Learning/Machine Learning, Computer Vision, Information Theory
Communication	Chinese, English