

LIKUN CAI

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EDUCATION

Fudan University <i>Ph.D. student in Computer Science</i> <ul style="list-style-type: none">Voluntary withdrawal	Shanghai, China <i>Sep. 2020 – Sep. 2022</i>
ShanghaiTech University <i>Master in Computer Science</i> <ul style="list-style-type: none">GPA: 3.57; supervisor: Dr. Ning Cai	Shanghai, China <i>Sep. 2017 – Jul. 2020</i>
Xidian University <i>Bachelor in Space Information and Digital Technology</i> <ul style="list-style-type: none">GPA: 3.6; National Encouragement Scholarship	Shaanxi, China <i>Sep. 2013 – Jul. 2017</i>

RESEARCH EXPERIENCE

Research Intern <i>Shanghai, China</i> <ul style="list-style-type: none">With Dr. Yi Zhu and Dr. Mu Li.Investigated strong and robust 2D object detection system for real-world scenarios.Investigated large-scale pre-training pipeline for object-level representation.Investigated open vocabulary object detection models with help of language information.	AWS AI-Lab <i>Dec. 2020 - Jul. 2022</i>
Research Intern <i>Shanghai, China</i> <ul style="list-style-type: none">With Dr. Gang Yu.Investigated makeup transfer models for human face.Investigated face generative models with combination of GAN and 3DMM.	Tencent GYLab <i>Apr. 2020 - Aug. 2020</i>

TEACHING EXPERIENCE

Teaching Assistant of Digital Communication	ShanghaiTech University <i>Sep. 2019 - Dec. 2019</i>
Teaching Assistant of Information Science and Technology	ShanghaiTech University <i>Feb. 2019 - Apr. 2019</i>

PUBLICATIONS

- “BigDetection: A Large-scale Benchmark for Improved Object Detector Pre-training.” *CVPR Workshop on Vision Datasets Understanding*. 2022.
Likun Cai, Zhi Zhang, Yi Zhu, Li Zhang, Mu Li, and Xiangyang Xue.
[paper] [code]
- “Utilizing Amari-Alpha Divergence to Stabilize the Training of Generative Adversarial Networks.” *Entropy*. 2020.
Likun Cai, Yanjie Chen, Ning Cai, Wei Cheng, and Hao Wang.
[paper] [code]

“Super-Resolution Coding Defense Against Adversarial Examples.” *International Conference on Multimedia Retrieval*. 2020.

Chen, Yanjie*, **Likun Cai***, Wei Cheng, and Hao Wang. (* indicates equal contributions.)
[paper]

SKILLS

Programming: Proficient: Python; Familiar: Matlab, Unix Shell Scripting, Java, C/C++

Operating System: Linux, MacOS, Windows

Other Skills: Git, Markdown, \LaTeX

Language: Chinese, English: IELTS - 7.0 (R: 7.5; W: 7.0; L: 6.5; S: 6.5)

REFERENCES

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