

LIKUN CAI

✉ cailikun007@gmail.com | ☎ (+86) 130-2218-5192

🐙 [GitHub](#) | 🏠 [Website](#) | 🎓 [GoogleScholar](#) | 🔗 [LinkedIn](#)

EDUCATION

Fudan University <i>Ph.D. student in Computer Science</i> <ul style="list-style-type: none">• Already quit	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.” <i>CVPR Workshop on Vision Datasets Understanding</i> . 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.” <i>Entropy</i> . 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

Ning Cai,
Professor,
School of Information Science and Technology, ShanghaiTech University,
IEEE fellow,
ningcai@shanghaitech.edu.cn

Yanlin Geng,
Professor,
School of Telecommunication Engineering, Xidian University,
ylgeng@xidian.edu.cn

Kai Han,
Assistant Professor,
Department of Statistics and Actuarial Science, The University of Hong Kong,
kaihanx@hku.hk

Yi Zhu,
Senior Applied Scientist,
AWS AI Labs,
yzhu25@ucmerced.edu