

BoYang ZHENG

 18923898647  bytetriper@sjtu.edu.cn  github.com/bytetriper
 Undergraduate of Computer Science and Technology  Shanghai Jiao Tong University (SJTU)
 2003 April.  Shanghai  <https://bytetriper.com.cn/>

Highly-motivated undergraduate in Computer Science and Technology with good foundations of math. Passionate about deep learning. Currently research interests are Computer Vision, Generative Models, Multi-modal models and Adversarial Attacks.

Competences & Languages

GPA 90.22/100, rank 9/33 in ACM Honor Class 2021
 Languages **English** — CET6: 639/710

Education

present	ACM Honor Class 2021, Shanghai Jiao Tong University
September 2021	Undergraduate in Computer Science and Technology

Projects

- › **ML-projects**: (python) **Hands-on experience** with CNN, RNN, LSTM, Transformer, ViT etc. implemented by pure PyTorch.
- › **CPU**: (Verilog) A CPU with tomasulo algorithm, branch prediction and out-of-order execution. Written with verilog and runs on an actual FPGA.
- › **Compiler**: (java) An OO level, graph-coloring based compiler for a self-defined language called Mx*, which resembles Java much.

Papers

- › **Improved AdvDM**: <Understanding and Improving Adversarial Attacks on Latent Diffusion Model> : A research about crafting general and strong adversarial examples against latent diffusion models (especially *Stable Diffusion*). This paper is under review of ICLR 2024. [Co-first Author]
- › **[Course Work] Latent Magic**: <Latent Magic: An Investigation into Adversarial Examples Crafted in the Semantic Latent Space>: A research into adversarial attacks crafted in latent space, which purposed the FIRST evaluation metric in this field. This paper served as the project of machine learning class. [Only Author]

Selected Courses

- › Computer Programming: **94/100**
- › Data Structure: **94/100**
- › Machine Learning : **95/100** (top one paper award)
- › Algorithm: **99/100**.
- › Data Mining: **97.6/100** (top one in kaggle contest)
- › Mathematical Analysis: **96/100**