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RESEARCH FOCUS

Deep Learning: Adversarial Learning (adversarial reprogramming & visual prompt), Computer Vision (image classification), Scalable Machine Learning (pruning)

EDUCATION

Ph.D. in CSE, Michigan State University   Advisor: Sijia Liu   Aug. 2022 – Now

B.S. in Automation, Tsinghua University   Aug. 2018 – July. 2022

WORK

Research Intern in TSAIL Group, Beijing   Supervisor: Jun Zhu   June. 2021 – Dec. 2021

PUBLICATION

[1] **A. Chen***, P. Lorenz*, Y. Yao, P. Chen, S. Liu, Visual Prompting for Adversarial Robustness, *NeurIPS'22 Workshop, submitted.*

PROJECT

Visual Prompting for Adversarial Robustness

Supervisor: Sijia Liu (MSU) Collaborator: Pin-Yu Chen (IBM)

- Leverage visual prompting to improve test time robustness.
- Design CW-type losses to facilitate class-wise prompting.
- **Publication**: [1]

Uncertainty in Glass Classification

Supervisor: Jun Zhu (Tsinghua) Collaborator: Zhijie Deng (Tsinghua)

- Leverage model based bayesian learning to promote calibration.
- Leverage augmentation based methods to promote calibration.

SKILL

- 3 years of Python, 2 years of PyTorch, C++, Git, Shell

HONOR

- **Entrepreneurship Excellence Award** by Qingshan Capital, 2021.
- **Academic Excellence Scholarship** of Tsinghua University, 2019.
- **Chinese University Entrance Exam Rank 0.01%** of Sichuan Province, 2018.
- **Chinese Chemistry Olympics 1st Prize** of Sichuan Province, 2017.

SERVICE

- **Reviewers** of ICML'22, KDD'22.