CHENG TAN

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INTRODUCTION

I am a first-year Ph.D. student (2021-) of Westlake University and Zhejiang University, advised by Stan Z. Li.

I strive to develop deep learning algorithms to benefit drug discovery. Currently, I'm also interested in weakly-supervised learning and spatiotemporal predictive learning.

EDUCATION

Bachelor of Computer Science and Technology, Northwest Agriculture and Forest University (985, 211)
Sept 2017 - June 2021
Ph.D. Student of Computer Science and Technology, Zhejiang University (985, 211) & Westlake University
Sept 2021 - present

PROJECTS

Automated image identification as a tool for ecological monitoring   2019.7 – 2019.10

Artificial General Intelligence Lab, University of Alberta, Canada.

Prof. Vadim Bulitko (Professor, Computer Science, University of Alberta)
Prof. Erin Bayne (Professor, Biology, University of Alberta)

Worked as an research intern sponsored by CSC (China Scholarship Council). [Application]

Automatic driving with constraints of computational operator and cost   2020.6 - 2020.7

DeeCamp2020 of Sinovation Ventures, China.

Worked as a member of the Faster&Better Team, and won the championship in the competition. [Media report]

PUBLICATIONS

Co-learning: Learning from Noisy Labels with Self-supervision.   ACM MM, 2021
Cheng Tan, Jun Xia, Lirong Wu, Stan Z. Li. (Oral, Top 9.22%)
[PDF] [Code] [Poster] [Slides] [Media report]

Hyperspherical Consistency Regularization.   CVPR, 2022
Cheng Tan, Zhangyang Gao, Lirong Wu, Siyuan Li, Stan Z. Li.
To be released.

SimVP: Simpler yet Better Video Prediction.   CVPR, 2022
Zhangyang Gao, **Cheng Tan**, Lirong Wu, Stan Z. Li.
To be released.

Self-supervised Learning on Graphs: Contrastive, Generative, or Predictive.   TKDE, 2021
Lirong Wu, Haitao Lin, **Cheng Tan**, Zhangyang Gao.
[PDF] [Code] [Media report]

OT Cleaner: Label Correction as Optimal Transport.   ICASSP, 2022
Jun Xia, **Cheng Tan**, Lirong Wu, Yongjie Xu, Stan Z. Li.
To be released

Target-aware Molecular Graph Generation.   arxiv
Cheng Tan, Zhangyang Gao, Stan Z. Li.
[PDF]