

Tianyi Xie

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EDUCATION

University of California, Los Angeles <i>Ph.D. in Computer Science</i> Advisor: Prof. Chenfanfu Jiang and Prof. Demetri Terzopoulos	03/2023 - Present
University of California, Los Angeles <i>M.Sc. in Computer Science</i>	09/2021 - 03/2023
Shanghai Jiao Tong University <i>B.Eng. in Software Engineering</i>	09/2016 - 06/2020

RESEARCH INTERESTS

Physics-based Simulation, Machine Learning

EXPERIENCES

Research Assistant <i>MultiPILES Lab, University of California, Los Angeles</i> <ul style="list-style-type: none">Advisor: Prof. Chenfanfu JiangResearch Topic: Two-way coupled solid-fluid simulation	02/2022 – 12/2022
Research Intern <i>Bytedance AI Lab, Shanghai</i> <ul style="list-style-type: none">Research Topic: GAN based audio-driven avatar generation	04/2020 – 07/2021
Research Assistant <i>The PIKE Group, The Pennsylvania State University</i> <ul style="list-style-type: none">Advisor: Prof. Dongwon LeeResearch Topic: Clickbait thumbnail detection with weak supervision	07/2019 – 11/2019

PUBLICATIONS

A Contact Proxy Splitting Method for Lagrangian Solid-Fluid Coupling

ACM Transactions On Graphics (SIGGRAPH), 2023

Tianyi Xie, Minchen Li, Yin Yang, Chenfanfu Jiang

Multi-Layer Thick Shells

ACM SIGGRAPH, 2023

Yunuo Chen, Tianyi Xie, Cem Yuksel, Danny Kaufman, Yin Yang, Chenfanfu Jiang, Minchen Li

Towards Realistic Visual Dubbing with Heterogeneous Sources

ACM International Conference on Multimedia (ACM MM), 2021

Tianyi Xie, Liucheng Liao, Cheng Bi, Benlai Tang, Xiang Yin, Jianfei Yang, Mingjie Wang, Jiali Yao, Zejun Ma

CHECKER: Detecting Clickbait Thumbnails with Weak Supervision and Co-teaching

European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD), 2021

Tianyi Xie, Thai Le, Dongwon Lee

SCHOLARSHIP & AWARDS

Tung OOCL Scholarship (top 10% in SJTU),	2019
B-Class Academic Excellence Scholarship (top 10% in SJTU),	2017-2019
Huawei Scholarship (top 10% in SJTU),	2018

- First Prize of the National College Students Physics Competition (Shanghai Zone), 2018
- Wish Scholarship (top 5% in SJTU), 2017
- SJTU Merit Student, 2017