

Yunxiao (Jack) Zhang

jackzhangsh1022@outlook.com | (817) 944 – 6518 | yunxiao Zhang Jack.com | linkedin.com/in/yunxiao Zhang

EDUCATION

Texas A&M University, College Station, TX

Expected May 2026

M.S. in Visualization GPA 3.88 / 4.00

Course Highlights: Augmented Reality, Machine Learning for 3D Visualization & Graphics, Generative AI for Art & Communication

Fudan University, Shanghai, China

Jun 2024

Bachelor of Engineering in Software Engineering

Course Highlights: Computer Graphics, Data Structures, Software Technology Innovation, Deep Learning: Theory & Applications

University of Texas at Dallas, Dallas, TX

Aug 2022 – Dec 2022

Exchange Program through Fudan University

Course Highlights: Artificial Intelligence, Advanced Algorithm Design and Analysis

RESEARCH PROJECT

Time-Archival Camera Virtualization for Sports and Visual Performance ([project page](#) | [code](#))

Y. Zhang, W. Stone, and S. Kumar. Under revision at *CVIU*, Jan. 2026

- Proposed a **calibration-first, time-indexed multi-view dynamic 3D reconstruction** framework (“archival snapshots”) enabling per-timestep neural rendering / view synthesis and consistent evaluation over time
- Built an end-to-end pipeline (dataset prep → camera calibration handling → training → evaluation) and achieved improved rendering fidelity (PSNR/LPIPS) against strong baselines on dynamic scenes

Time-Archival 3D Gaussian Splatting (TA-3DGS) ([code](#))

- Implemented warm-start, per-frame 3D Gaussian Splatting for dynamic reconstruction under fast motion and occlusion; compared GT-init vs. warm-start variants with/without densification
- Developed reproducible tooling for ablations and metrics (configs/scripts/logging) to analyze stability–quality trade-offs across time

INTERNSHIP EXPERIENCE

Shanghai Lingang Economic Development (Group), Shanghai, China

Jul 2023 – Sep 2023

Sales & Analytics Intern

- Analyzed 28+ upcoming client companies with a focus on current business and industry (robotics, electric cars) technology trends, as well as their financial viability
- Created reports on the investment potential of various land locations to be considered for future development projects

HFT Investment Management, Shanghai, China

Jun 2023 – Jul 2023

Software Engineering Intern

- Designed and developed a front-end application programming interface (API) monitoring system to provide insights into the usage of a select number of internal web applications by the HFT Software Development team

LEADERSHIP

Fudan University E-sports Club

Apr 2021 – Jun 2022

League of Legends Team Leader

- Led weekly practices, for a team of five students, to prepare them for Regional and National tournaments
- Headed team that won the Yangpu District Championship in March 2022, out of 8 competing teams

SKILLS

Technology: Python, Pytorch, JavaScript, Java, C++, React.js, Spring Boot, three.js, WebGL, MySQL, Office Suite

Language: Mandarin (Native), English (Fluent)