

Yujie Sun

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Education

Shanghai Jiao Tong University <i>PhD Student</i> , Zhiyuan Honors Program, Computer Science and Technology, • Supervisor: Prof. Fan Wu and Assistant Prof. Chaoyue Niu, expected graduation in 2030. • Research Interests: 3D avatar reconstruction and generation, virtual reality.	2025/09 – Present Shanghai, China
Shanghai Jiao Tong University <i>Bachelor of Engineering</i> , majoring in Computer Science and Technology, • GPA: 4.03 / 4.3, Ranking: 9 / 102	2021/09 – 2025/06 Shanghai, China

Awards

Winner (1st Place), CVPR 2025 Photorealistic 3D Head Avatars Workshop	2025
Shanghai Outstanding Graduates (Top 1%)	2025
B-Level Merit Scholarship, Shanghai Jiao Tong University	2022, 2023, 2024

Publications

- FHAvatar: Fast and High-Fidelity Reconstruction of Face-and-Hair Composable 3D Head Avatar from Few Casual Captures
Yujie Sun, Zhuoqiang Cai, Chaoyue Niu, Jianchuan Chen, Zhiwen Chen, Chengfei Lv, Fan Wu
The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR, CCF-A), 2026.
- ECHO: Dyadic 3D Facial Motion Generation with Asymmetric Deterministic Articulation and Stochastic Reaction
Zhuoqiang Cai, **Yujie Sun**, Chaoyue Niu, Hongyun Yu, Zhiwen Chen, Chengfei Lv, Fan Wu
ACM International Conference on Multimedia (ACM MM, CCF-A), 2026.
- CodeMark: Contextual and Natural Watermarking for Tracing Code Snippet Provenance
Wei Li, Borui Yang, **Yujie Sun**, Suyu Chen, Yuting Chen, Liyao Xiang
IEEE Transactions on Dependable and Secure Computing (TDSC, CCF-A), 2025.
- An End-to-End, Low-Cost, and High-Fidelity 3D Video Pipeline for Mobile Devices
Tiancheng Fang, Chaoyue Niu, **Yujie Sun**, Chengfei Lv, Xiaotang Jiang, Ben Xue, Fan Wu, Guihai Chen
Annual International Conference on Mobile Computing and Networking (MobiCom, CCF-A), 2024.

Open-Source Contributions

SJMC Launcher, Team Leader github.com/UNikeEN/SJMCL	Since 2024/11
• Lead the development of SJMC Launcher, a cross-platform Minecraft launcher with game resources management and multiplayer support. Worked with a team from Shanghai Jiao Tong University Minecraft Club.	
Little UNikeEN, Maintainer github.com/UNikeEN/Little-UNikeEN-Bot	Since 2022/07
• A chatbot provided assignment reminders, schedule synchronization, online Wordle game sessions, and club activity announcements for 5000+ students across multiple QQ groups.	

Internships

Alibaba Group Algorithm Engineer Intern, Meta Technology Team of Taobao • Explored fast digital human reconstruction and animation methods for consumer-grade, few-view monocular capture. • Contributed to the development of a 3D real-person digital avatar solution (TaoAvatar), as part of Taobao Vision app.	2024/08 – 2025/08 Hangzhou, China
Youzan Inc. Java Development Intern, E-commerce Infra Team • Participated in building the backend management platform for e-commerce services, focusing on high-traffic governance for message queues across workflows.	2023/07 – 2023/09 Hangzhou, China