



Zimeng Zhao

3D Vision & Physics-based Simulation
Ph.D. Student
Vision & Cognition Lab
Southeast University, Nanjing, China

✉ zzmppassion@gmail.com
✉ 230218201@seu.edu.cn
🔗 tneitap.github.io
🌐 [LinkedIn Profile](#)

EDUCATION

- **Southeast University** 2021.03-Now
Ph.D. Student, School of Automation Topic: Digital Hand Reconstruction & Simulation, Advisor: [Yangang Wang](#)
- **Southeast University** 2019.09-2020.12
M.S., School of Automation Topic: Linear Systems Control, Advisor: [Kanjian Zhang](#)
- **Southeast University** 2015.09-2019.06
B.E., School of Automation Rank: 11/141, CET-6: 560, Advisor: [Kaifeng Zhang](#)

REPRESENTATIVE PUBLICATIONS

- **Semi-supervised Hand Appearance Recovery via Structure Disentanglement and Dual Adversarial Discrimination**
1st Author CVPR2023 (CCF-A Conference)
– Techniques: Conditional GAN, Semi-supervised Learning
- **Skeleton Extraction for Articulated Objects with the Spherical Unwrapping Profiles**
1st Author TVCG2023 (CCF-A Journal)
– Techniques: Surface Parameterization, Skeleton Embedding
- **Stability-driven Contact Reconstruction From Monocular Color Images**
1st Author CVPR2022 (CCF-A Conference)
– Techniques: Articulated Body Interaction Simulation, Sampling-based Optimization
- **TravelNet: Self-supervised Physically Plausible Hand Motion Learning From Monocular Color Images**
1st Author ICCV2021 (CCF-A Conference)
– Techniques: Articulated Body Simulation, Self-supervised Learning
- **HMDO : Markerless Multi-view Hand Manipulation Capture with Deformable Objects**
3rd Author GM2023 (CCF-B Journal)
– Techniques: Deformable Object Simulation, Optimization with Deformation Graph

SKILLS & INTERESTS

Languages: C++, Python, Pybind11; LaTeX, HTML

Tools: Git, Visual Studio, VS code; Blender, Unity

Interests: Graphics Modeling, Graphics Animation, Generative Model, Control & Reinforcement Learning

POSITIONS OF RESPONSIBILITY

Conference Reviewer: CVPR, ICCV, ECCV

Journal Reviewer: TVCG, TMM

Lab Group: Director of Hand Reconstruction Group

Student Union: Director of Digital Media Department

TEACHING ASSISTANT

- **Artificial Intelligence** Instructor: Yangang Wang Fall, 2022
- **Artificial Intelligence** Instructor: Yangang Wang Fall, 2021
- **Linear Systems Theory** Instructor: Kanjian Zhang Fall, 2020

AWARDS & HONORS

- SEU Exemplary individual of Academic Innovation 2022.07
- SEU Doctoral Entrance Scholarship 2021.11
- SEU Excellent Graduate 2019.06
- SEU Presidential Fellowship 2018.09