

# Zimeng Zhao

3D Vision & Physics-based Simulation  
Ph.D. Student  
Vision & Cognition Lab  
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## EDUCATION

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- **Southeast University** 2021.03-2024.06 (Expected)  
*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](#)

## SELECTED PUBLICATIONS

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(Visit the [homepage](#) for a complete publication list)

- **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

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**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

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**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

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

## AWARDS & HONORS

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