Zimeng Zhao

3D Vision & Physics-based Simulation
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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*