

# HAIDONG ZHU

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## EDUCATION

- \* Ph.D. candidate, Computer Science, University of Southern California, Aug 2019 - May 2024 (expected)
- \* B.E., Electronic Information Science and Technology, Tsinghua University, Aug 2015 - July 2019

## INTERNSHIP

Research Intern @ Microsoft, Redmond, WA,	May. 2023 - Aug. 2023
Applied Scientist Intern @ Amazon, Bellevue, WA,	May. 2022 - Aug. 2022
Research Intern @ Bytedance Inc., Mountain View, CA,	May. 2021 - Aug. 2021
Visiting Researcher @ VCG, Harvard University, Cambridge, MA,	Jun. 2018 - Sept. 2018

## SELECTED PUBLICATIONS

For the full publication list, please refer to my [Google Scholar](#).

- 3-D Representation
  - Haidong Zhu\* et al., **CAT-NeRF: Constancy-Aware Tx<sup>2</sup>Former for Dynamic Body Modeling**, *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*, pp. 6618-6627, 2023. [Paper][Code]
  - Haidong Zhu et al., **Multimodality Neural Radiance Field**, *IEEE International Conference on Robotics and Automation (ICRA)*, pp. 9393-9399, 2023. [Paper]
  - Haidong Zhu et al., **OPEN: Order-preserving Point Cloud Encoder-Decoder Network for HumanBody Shape Refinement with Dense Correspondence**, *International Conference on Pattern Recognition (ICPR)*, pp. 521-527, 2022 (Oral). [Paper][Supp]
  - Yueqi Duan\*, Haidong Zhu\*, et al., **Curriculum DeepSDF**, *European Conference on Computer Vision (ECCV)*, pp. 51-67, 2020. (equal contribution) [Paper][Code]
- Biometrics
  - Haidong Zhu et al., **GaitRef: Gait Recognition with Refined Skeletons**, *IEEE International Joint Conference on Biometrics*, 2023. [Paper][Code]
  - Haidong Zhu et al., **Gait Recognition Using 3-D Human Body Shape Inference**, *IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*, pp. 909-918, 2023. [Paper][Supp]
- Vision and Language
  - Haidong Zhu et al., **Self-supervised Learning for Sentiment Analysis via Image-text Matching**, *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. 1710-1714, 2022. [Paper]
  - Haidong Zhu, et al., **Utilizing Every Image Object for Semi-supervised Phrase Grounding**, *IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*, pp. 2210-2219, 2021. [Paper]
  - ..., Haidong Zhu, et al., **GAIA at SM-KBP 2020 - A Dockerized Multi-media Multi-lingual Knowledge Extraction, Clustering, Temporal Tracking and Hypothesis Generation System**, *Text Analysis Conference (TAC)*, 2020. [Paper]
  - Chuanzi He, Haidong Zhu, et al, **CPARR: Category-based Proposal Analysis for Referring Relationships**, *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*, pp. 4074-4083, 2020. [Paper]
- Biomedical Images Analysis
  - Haidong Zhu, et al., **Pick-and-Learn: Automatic Quality Evaluation for Noisy-Labeled Image Segmentation**, *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI)*, LNCS 11769, pp. 576-584, 2019. [Paper]
  - Brian Matejek, Daniel Haehn, Haidong Zhu, et al., **Biologically Constrained Graphs for Global Connectomics Reconstruction**, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, pp. 2089-2098, 2019. [Paper][Code]

## PROFESSIONAL ACTIVITIES

Reviewer:

- Conferences: ICME (2020-2022), BMVC (2020-), WACV (2021-), IROS (2021), AAAI (2022-), MICCAI (2022), ICPR (2022), ECCV (2022), CVPR (2023), ICCV (2023), EMNLP (2022), IJCAI (2023).
- Workshops: MULA (2020-),
- Journals: IJCV (2021), T.MM (2022), MM (2022), TPAMI (2022-)