

EDUCATION

- **Tsinghua University** Beijing, Tsinghua
B.E. in Electrical Information Science and Technology; GPA: 3.62 *Aug. 2015 – June. 2019 (expected)*
- **Harvard University** Cambridge, MA
Visiting Student and Research Assistant *Jun. 2018 – Sept. 2018*

SKILLS

- **Programming Skills:** C/C++, MATLAB, Python, Git, Matlab, Verilog
- **Deep Learning Frameworks:** Caffe, PyTorch, TensorFlow, Keras

MANUSCRIPTS

- Yueqi Duan, Haidong Zhu, Chaojian Li, Jiwen Lu, and Jie Zhou, **Unsupervised 3D Feature Learning by Point Cloud Completion**, *Submitted to IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019*
- Brian Matejek, Daniel Haehn, Haidong Zhu, Donglai Wei, Toufiq Parag, and Hanspeter Pfister, **Biologically-Constrained Graphs for Global Connectomics Reconstruction**, *Submitted to IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019*
- Wenzhao Zheng, Jiwen Lu, Zhaodong Chen, Haidong Zhu, and Jie Zhou, **Hardness-Aware Deep Metric Learning**, *Submitted to Advances in Neural Information Processing Systems (NIPS), 2018*

RESEARCH PROJECTS

- **i-Vision Group**, Tsinghua University Beijing, China
Research Assistant *Feb. 2018 - present*
 - **Metric Learning:** Employed hardness-aware strategy to improve efficiency and result of metric learning
 - **3D Vision:** Investigated point cloud completion and autoencoder framework for 3D reconstruction task
 - **Self-supervised Learning:** Employed self-supervision strategy as pretext for 3D vision task improvement
- **Visual Computing Group**, Harvard University Cambridge, MA
Research Assistant *Jun. 2018 - Sept. 2018*
 - **3D segmentation:** Improved the 3D segmentation pipeline for connectomic projects and generated state-of-the-art result on the same quality of affinities compared with present methods, got 3rd place on SNEMI3D public dataset
 - **Graphs Improvement:** Set up graph improvement step for connectomic segmentation error correction
- **Information Cognition and Intelligent System Lab**, Tsinghua University Beijing, China
Research Assistant *Jun. 2017 - Jan. 2018*
 - **Liveness Detection System:** Embedded the liveness detection strategy on mobile chips and systems
 - **Big Data System:** Set up the human identity system for huge information management and relation prediction
 - **Image Caption:** Studied the overfitting cases in image captioning models

PROJECTS

- **Structural Relational Reasoning for Point Clouds:** Introduced structural relational network (SRN) for reasoning
- **Competition and Lecture Management System:** Lecture management system with wechat and website version
- **Video-audio Similarity Evaluation System:** Evaluating similarity between given audio and visual fragments

AWARDS AND HONORS

Scholarship for Academic Excellence, 2018
3rd place in SNEMI3D challenge, 2018
Scholarship for Social Practice Excellence, 2016/2017
Scholarship for Voluntary and Public Excellence, 2016
3rd Prize for the 32nd National Undergraduate Physics Olympic, 2016