

## EDUCATION

- **Tsinghua University** Beijing, China  
*B.E. in Electronic 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 via Point Cloud Completion**, *Under review*
- Wenzhao Zheng, Jiwen Lu, Zhaodong Chen, Haidong Zhu, and Jie Zhou, **Hardness-Aware Deep Metric Learning**, *Under review*
- Brian Matejek, Daniel Haehn, Haidong Zhu, Donglai Wei, Toufiq Parag, and Hanspeter Pfister, **Biologically Constrained Graphs for Global Connectomics Reconstruction**, *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2019, accepted.*

## RESEARCH PROJECTS

- **i-Vision Group**, Tsinghua University Beijing, China  
*Advisor: Prof. Jiwen Lu* 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 point cloud classification
- **Visual Computing Group**, Harvard University Cambridge, MA  
*Advisor: Prof. Hanspeter Pfister* 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 3<sup>rd</sup> place on SNEMI3D public dataset
  - **Graphs Reconstruction:** Set up graph improvement step for error correction in connectomic segmentation
- **Information Cognition and Intelligent System Lab**, Tsinghua University Beijing, China  
*Advisor: Prof. Jiansheng Chen* 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
- **Online Big Data Face Recognition System:** Real time face recognition with big data management

## 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
2nd Prize in Tsinghua Volunteer Activity	2016