Haoxi Ran

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PUBLICATIONS & SERVICES

- **Haoxi Ran**, Jun Liu, Chengjie Wang, "*Surface Representation for Point Clouds*", (**CVPR 2022**, Oral, 5.0%) [PDF] [Github]

- Xu Ma, Can Qin, Haoxuan You, **Haoxi Ran**, Yun Fu, "*Rethinking Network Design and Local Geometry in Point Cloud: A Simple Residual MLP Framework*", (**ICLR 2022**, 32.9%) [PDF] [Github]

- **Haoxi Ran**, Wei Zhuo, Jun Liu, Li Lu, "*Learning Inner-Group Relations on Point Clouds*", (**ICCV 2021**, 25.9%) [PDF]

– **Conference Reviewer**: CVPR, ECCV, 3DV

– **Journal Reviewer**: Pattern Recognition

RECENT PROJECTS

Research on Surface Representation for Point Clouds   March 2022 – Present
- Improved surface representation to LiDAR data

Research on Self-supervised Learning on Point Clouds   March 2022 – Present
- Self-supervised voxel-based representation for autonomous vehicles

EXPERIENCE

SmileLab, Northeastern University   Aug. 2021 – March 2022
Research Assistant   *Boston, USA*
- Topic: 3D Detection (supervised by Yun Raymond Fu)

Tencent Youtu Lab   Nov. 2020 – Dec. 2021
Computer Vision Intern   *Shenzhen, China*
- Topic: Graphics-related Point Representation (supervised by Wei Zhuo & Jun Liu)

C.S. Department, Sichuan University   July 2020 – June 2021
Research Assistant   *Chengdu, China*
- Topic: Relation-based Point Cloud Models, Point Cloud Completion (supervised by Li Lu)

Megvii Technology (Face++)   July 2019 – Nov. 2019
Computer Vision Intern   *Chengdu, China*
- Topic: 3D human reconstruction & human imitation (supervised by Shuaicheng Liu & Guangfu Wang)

EDUCATION

Carnegie Mellon University   Aug. 2022 – June 2024
M.S of Robotics   *Pittsburgh, USA*

Sichuan University   Sep. 2016 – June 2020
B.Eng of Computer Science   *Chengdu, China*

University of Washington   March 2018 – June 2018
Exchange Student of Computer Science & Engineering   *Seattle, USA*

SELECTED AWARDS

Tencent Technical Construction Award (3rd / 587)
Best Undergraduate Thesis Award (topic: human reconstruction, 12 / 476)
Tencent Algorithm Competition 2019 (TOP 80 / 1586)
Undergraduate Badminton Mixed Doubles (TOP 8 / 200)
Undergraduate Basketball Team Competition (2nd / 35)

ACADEMICS

TOFEL: 111/120 (Reading: 30, Listening: 30, Speaking: 22, Writing: 29)
GRE: 334/340 (Verbal: 166/170, Quantitative: 168/170, Writing: 5.0/6.0)
Undergradate GPA: 85/100