LIN HUANG

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Page: `https://linhuang17.github.io/`

EDUCATION

University at Buffalo, Buffalo, USA *Jan. 2019 – Aug. 2023 (expected)*
Doctorate of Philosophy in Computer Science and Engineering
- Advisor: Prof. Junsong Yuan

University of Southern California, Los Angeles, USA *Jan. 2017 - Dec. 2018*
Master of Science in Electrical Engineering GPA: 4.0/4.0

Lanzhou University, Lanzhou, CHINA *Sep. 2012 - Jun. 2016*
Bachelor of Engineering in Electronic Information Science and Technology GPA: 4.57/5.00
- Outstanding Bachelor Thesis: Blind Per Tone Equalization Using Support Vector Machine for OFDM

CONFERENCE PUBLICATIONS

Neural Voting Field for Camera-Space 3D Hand Pose Estimation
***Lin Huang**, Chung-Ching Lin, Kevin Lin, Lin Liang, Lijuan Wang, Junsong Yuan, and Zicheng Liu*
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2023, Vancouver

Neural Correspondence Field for Object Pose Estimation
***Lin Huang**, Tomas Hodan, Lingni Ma, Linguang Zhang, Luan Tran, Christopher Twigg, Po-Chen Wu, Junsong Yuan, Cem Keskin, and Robert Wang*
European Conference on Computer Vision (ECCV) 2022, Tel-Aviv

HOT-Net: Non-Autoregressive Transformer for 3D Hand-Object Pose Estimation
***Lin Huang**, Jianchao Tan, Jingjing Meng, Ji Liu, and Junsong Yuan*
ACM International Conference on Multimedia (ACM MM) 2020, Seattle

Hand-Transformer: Non-Autoregressive Structured Modeling for 3D Hand Pose Estimation
***Lin Huang**, Jianchao Tan, Ji Liu, and Junsong Yuan*
European Conference on Computer Vision (ECCV) 2020, Glasgow

Learning Progressive Joint Propagation for Human Motion Prediction
*Yujun Cai, **Lin Huang**, Yiwei Wang, Tat-Jen Cham, Jianfei Cai, Junsong Yuan, Jun Liu, Xu Yang, Yiheng Zhu, Xiaohui Shen, Ding Liu, Jing Liu, and Nadia Magnenat Thalmann*
European Conference on Computer Vision (ECCV) 2020, Glasgow

JOURNAL PUBLICATIONS

Survey on Depth and RGB Image-based 3D Hand Shape and Pose Estimation
Lin Huang, Boshen Zhang*, Zhilin Guo*, Yang Xiao, Zhiguo Cao, and Junsong Yuan*
Virtual Reality and Intelligent Hardware (VRIH) 2021

INDUSTRY EXPERIENCES

Microsoft Azure AI, Redmond, WA, USA *May. 2022 - Aug. 2022*
Research Intern
- 3D Hand Pose Estimation
- Supervisor: Dr. Chung-Ching Lin, Dr. Kevin Lin, Dr. Lin Liang, Dr. Lijuan Wang, Dr. Zicheng Liu

Reality Labs at Meta, Redmond, WA, USA *Dec. 2021 - Apr. 2022*
Part-Time Student Researcher
- Interaction Tracking
- Supervisor: Dr. Tomas Hodan

Reality Labs at Meta, Redmond, WA, USA *Aug. 2021 - Dec. 2021*
Research Intern
- Interaction Tracking
- Supervisor: Dr. Tomas Hodan

Y-tech Lab at Kwai, Seattle, WA, USA *May. 2020 - Aug. 2020*
Research Intern
- 3D Hand Pose Estimation
- Supervisor: Dr. Jianchao Tan, Dr. Ji Liu

CONTESTS

National Undergraduate Electronic Design Contest, CHINA *Summer 2015*
Group Leader
- Wireless Video Communication Network
- The Second Prize of National Undergraduate Electronic Design Contest

PROFESSIONAL SERVICES

Conference Reviewer: CVPR, ECCV, ICCV, ICIP, WF-IOT

Journal Reviewer: TIP, TCSVT, TVCJ, JVCI, MVAP, SPIC

TEACHING

Teaching Assistant: Introduction to Pattern Recognition (CSE555) *Fall 2020*

Teaching Assistant: Data Intensive Computing (CSE587) *Spring 2020*

HONORS & AWARDS

Masters Students Honors Program, USC Viterbi *2018*

Outstanding Graduate of Lanzhou University *2016*

Pacemaker to Merit Student of Lanzhou University *2013, 2014*

First-class Scholarship, Lanzhou University *2014*

Second-class Scholarship, Lanzhou University *2012, 2013*