

YIFEI HUANG

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EDUCATION

The University of Tokyo, Japan

April 2018 - Present

Ph.D. in Information & Computer Engineering

Graduate School of Information Science and Technology

Supervisor: Prof. Yoichi Sato

Research interest: first person computer vision, computer vision applications using gaze

The University of Tokyo, Japan

October 2015 - March 2018

M.Sc. in Information & Computer Engineering

Graduate School of Information Science and Technology

Supervisor: Prof. Yoichi Sato

Research interest: computer vision applications using gaze

Shanghai Jiao Tong University, China

September 2011 - June 2015

B.Sc. in Automation, IEEE honor class

School of Electronics, Information and Electrical Engineering

Supervisor: Assoc. Prof. Chongyang Zhang

GPA: 3.52/4

Graduated with postgraduate recommendation.

EXPERIENCE

Carnegie Mellon University

April 2019 - July 2019

Visiting Scholar

Pittsburgh, PA, United States

- Supervisor: Assoc. Prof. Kris Kitani
- Mentor: Nicholas Rhinehart, Ben Newman
- Project: Gaze prediction & forecasting under teleoperation environment.

DJI Japan

December 2017 - January 2018

Internship

Tokyo, Japan

- Supervisor: Dr. Ming Shao
- HDR imaging

University of British Columbia

July 2012 - August 2012

Exchange Student

Vancouver, BC, Canada

- English language training

PUBLICATIONS

- [1] **Yifei Huang**, Minjie Cai, Zhenqiang Li, and Yoichi Sato. Predicting gaze in egocentric video by learning task-dependent attention transition. *European Conference on Computer Vision (ECCV)*, 2018. (oral presentation, acceptance rate 2%).
- [2] Hong Chen, **Yifei Huang**, and Hideki Nakayama. Semantic aware attention based deep object co-segmentation. *Asian Conference on Computer Vision (ACCV)*, 2018.
- [3] **Yifei Huang**, Minjie Cai, Hiroshi Kera, Ryo Yonetani, Keita Higuchi, and Yoichi Sato. Temporal localization and spatial segmentation of joint attention in multiple first-person videos. In *Computer Vision Workshop (ICCVW), 2017 IEEE International Conference on*, pages 2313–2321. IEEE, 2017. (oral presentation).
- [4] **Yifei Huang**, Minjie Cai, Zhenqiang Li, and Yoichi Sato. Mutual context network for jointly estimating egocentric gaze and actions. *arXiv preprint arXiv:1901.01874*, 2019.
- [5] Zhenqiang Li, **Yifei Huang**, Minjie Cai, and Yoichi Sato. Manipulation-skill assessment from videos with spatial attention network. *arXiv preprint arXiv:1901.02579*, 2019.

HONORS

Global Creative Leader (GCL) Fellowship , The University of Tokyo, Japan	2018 – 2021
National Endeavour Fellowship , Shanghai Jiao Tong University, China	2012 – 2014
Ranked top 0.02% , Chinese National Higher Education Entrance Examination	2011

TECHNICAL STRENGTHS

Programming Languages	Python, C++, MATLAB
Deep learning frameworks	PyTorch, Caffe
Others	Photoshop, After Effects, PHP, MySQL

LANGUAGES

Chinese	Mother language.
English	TOEFL 105/120 (2018), TOEIC 980/990 (2018)
Japanese	JLPT N2 (2014)

REFERENCES

Prof. Yoichi Sato

Institute of Industrial Science, the University of Tokyo.
<http://www.hci.iis.u-tokyo.ac.jp/~ysato/>
 ysato@iis.u-tokyo.ac.jp

Assoc. Prof. Kris Kitani

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 kkitani@cmu.edu