

徐筱媛

HsiaoYuan Hsu

Institute: WICT & SIST, Peking University

Major: Technology for Computer Applications

Research Topic:

Visual-textual creativity understanding & generation

Video-based human action understanding



- Education (and Awards)
- Experience
- Research
- Student Affair
- Appendix

H.Y. Hsu

Education (and Awards)

2022.09 - ing ● Peking University @ Beijing
Wangxuan Institute of Computer Technology



Excellent Taiwanese
Master's Student
Award

2022.06 - ing ● Multimedia Information Processing Lab



NIST TRECVID
DSDI Task #1

2017.09 - 2022.01 ● National Sun Yat-sen University @ Taiwan
Department of Computer Science and Engineering



Excellent Student
Award

2020.09 - 2022.01 ● Artificial Intelligence Lab



Special prize of
Wistron Corporation

2019.02 - 2019.06 ● Tsinghua University @ Beijing
Student Exchange Program

2022.10 - 2023.10 ● Meituan @ Beijing
Algorithm strategy engineering internship
(Co-op project between PKU WICT and Meituan)

2021.01 - 2022.01 ● AI4KIDS @ Taiwan
Python programming course lecturer,
AI Camps teaching assistant (Medical images track & sport videos track)

2019.06 - 2019.09 ● iQIYI @ Beijing
Data labelling for video classification internship



Hackathon Winner

2023.11 - ing

● Video-based human action understanding

\3D human pose estimation

\$ FinePOSE: Fine-Grained Prompt-Driven 3D Human Pose Estimation via Diffusion Models, IEEE CVPR 2024 (Spotlight) (Attended code & paper writing)

\3D-augmented human action quality assessment

2022.09 - 2023.10

● Visual-textual creativity understanding and generation

\Image aware layout generation

\$ PosterLayout: A New Benchmark and Approach for Content-aware Visual-Textual Presentation Layout, IEEE CVPR 2023 (First Author)

\$ DensityLayout: Density-conditioned Layout GAN for Visual-textual Presentation Designs, ICIIG 2023 (First Author)

\Multimodal short video understanding

\$ Journal (First Author) Under-reviewed

2020.09 - 2021.12

● Time series analysis \Misbehavior detection system in VANETs

\$ A Deep Learning-based Integrated Algorithm for Misbehavior Detection System in VANETs, ACM ICEA 2021 (First Author)

H.Y. Hsu

Student Affair



H.Y. Hsu

Skills and Interests



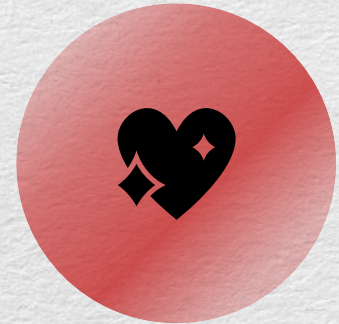
Python
C/C++
C#
JavaScript



English
Korean



Office
Photoshop
InDesign
Premiere



Piano
Badminton
Cooking



Thank you &
please feel free to contact me!

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Wechat (Weixin): bambicha

