Zhihao PENG

📇 (+852) 57499654

✉ zhihapeng3-c@my.cityu.edu.hk

🐙 https://github.com/ZhihaoPENG-CityU

📇 (+86) 18927962585

✉ WeChat: pzh01-14-07-22-01-07

🆔 ORCID: 0000-0001-8273-9527

EDUCATION

City University of Hong Kong (CityU) *2019 - 2023*

Ph.D. in Computer Science;   Supervisor: Prof. Junhui HOU (SMIEEE)
Research Interests: Deep Unsupervised Learning; Spectral Graph Theory; Subspace Clustering

GuangDong University of Technology (GDUT) *2012 - 2016 & 2016 - 2019*

B.S. & M.S. (postgraduate recommendation) in Computer Science   *GPA: 3.7/4.0 & 3.8/4.0*

AWARDS [SELECTED]

Postgraduate Studentship *2019 - 2023*
CityU, HongKong
Institutional Research Tuition Scholarship *2021, 2022*
CityU, HongKong
Outstanding Academic Performance Award *2021*
CityU, HongKong
Outstanding Diploma Thesis Award *2019*
GDUT, GuangDong
Outstanding Graduates *2016, 2019*
Highest honor in GDUT (Top 0.1%), GuangDong

PUBLICATIONS & PRE-PRINT

- **Z. Peng**, H. Liu, Y. Jia, and J. Hou, *Adaptive Attribute and Structure Subspace Clustering Network*, IEEE Transactions on Image Processing (**IEEE T-IP**), vol. 31, pp. 3430-3439, 2022. *IF: 11.041, JCR Q1, SCI-I, Top Journal.*

- **Z. Peng**, H. Liu, Y. Jia, and J. Hou, *Deep Attention-guided Graph Clustering with Dual Self-supervision*. IEEE Transactions on Circuits and Systems for Video Technology (**IEEE T-CSVT**), 2022. *IF: 5.859, JCR Q1, SCI-I, Top Journal.*

- **Z. Peng**, Y. Jia, H. Liu, J. Hou, and Q. Zhang, *Maximum Entropy Subspace Clustering Network*, IEEE Transactions on Circuits and Systems for Video Technology (**IEEE T-CSVT**), vol. 32, no. 4, pp. 2199 - 2210, 2022. *IF: 5.859, JCR Q1, SCI-I, Top Journal.*

- **Z. Peng**, Y. Jia, and J. Hou, *Non-Negative Transfer Learning With Consistent Inter-Domain Distribution*, IEEE Signal Processing Letters (**IEEE SPL**), 2020. *IF: 3.201, JCR Q2, SCI-II.*

- **Z. Peng**, W. Zhang, N. Han, X. Fang, P. Kang, L. Teng, *Active Transfer Learning*, IEEE Transactions on Circuits and Systems for Video Technology (**IEEE T-CSVT**), 2019. *IF: 5.859, JCR Q1, SCI-I, Top Journal.*

- **Z. Peng**, H. Liu, Y. Jia, and J. Hou, *Attention-driven Graph Clustering Network*, in Proc. ACM International Conference on Multimedia (**ACM MM**), 2021, pp. 935-943. *CCF A, Top Conference.*

- **Z. Peng**, H. Liu, Y. Jia, and J. Hou, *EGRC-Net: Embedding-induced Graph Refinement Clustering Network*, IEEE Transactions on Image Processing (**IEEE T-IP**). *Under review.*

- M. He, Y. Jia, **Z. Peng**, and Y. Wang, *Adaptive Graph Feedback Clustering Network*, International Conference on Computer Vision (**ICCV**). *Under review.*

PATENTS

- **Zhihao PENG**, <u>first student inventor</u>, *"Pedestrian re-identification method, device and readable storage medium"*, China Invention Patent, May 10, 2022, *(Granted) CN109492610B.*

- **Zhihao PENG**, <u>first inventor</u>, *"Method and device for removing mask from phase spectrum"*, China Invention Patent, September 11, 2020, *(Granted) CN107424616B.*

Skills

Dialect Language:	English/ Mandarin/ Chaoshan/ Cantonese
Programming languages:	Python/ C/ MATLAB
Tools and Packages:	PyTorch/ TensorFlow/ TMUX/ ChatGPT

Experiences

Nipissing University *2018 - 2019*

Ontario, CANADA

- Visiting Researcher **Advisor:** Prof. Haibin Zhu
- Person re-identification, group performance optimization, adaptive collaboration

China Computer Federation (CCF) *2017 - 2018*

GuangDong, CHINA

- Student Branch Vice Chairman
- Established the first CCF student branch in South China [▤ link]

Shibaura Institute of Technology *2017*

Tokyo, JAPAN

- Experience Japanese Advanced Technology from SIT Laboratories
- Completed the program, i.e., "Experience Japanese Advanced Technology from SIT Laboratories"

Knowledge and Collaborative Computing Engineering Technology Research Center *2015 - 2016*

GuangDong, CHINA

- Anomaly detection, spectral graph clustering, pattern recognition
- Data analysis of abnormal order data from DiDi company based on machine learning method

Teaching Assistant

CS2115, Computer Organization
CS2116, Computer Systems
CS4182/CS5182, Computer Graphics

Reviewer of International Conferences

ICASSP 2023 *2023*

IEEE International Conference on Acoustics, Speech and Signal Processing

AAAI 2023 *2022*

Thirty-Seventh AAAI Conference on Artificial Intelligence

ICME 2021/22/23 *2021 - 2023*

IEEE International Conference on Multimedia and Expo

ACM MM 2021/22 *2021 - 2022*

28/29th ACM International Conference on Multimedia

VCIP 2021/22 *2021 - 2022*

IEEE Visual Communications and Image Processing

Reviewer of International Journals

TIP

IEEE Transactions on Image Processing

TCSVT

IEEE Transactions on Circuits and Systems for Video Technology

JAS

IEEE/CAA Journal of Automatica Sinica

PR

Pattern Recognition