CHEN Haoyu

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Education

Ph.D., Computer Science, City University of Hong Kong, 2021 to 2025 (expc.)
M.S., Electrical and Computer Engineering, National University of Singapore, 2020 to 2021
B.E., Information Engineering, Jilin University, 2016 to 2020

Research Experience

City University of Hong Kong, HKSAR, China
- "Deep Learning Powered Approach for 3D Cell Painting Image Compression", Research Project, 2023-now
- "Learning a Deep Color Difference Metric for Photographic Image", Research Project, 2022-2023
- "Hiding Images in Deep Probabilistic Models", Research Project, 2021-2022

National University of Singapore, Singapore
- "Knowledge-enhanced Dialogue Generation with Deep Neural Networks", Research Project, 2020-2021
- "Medical Application based on Augmented Reality", Final Year Project in NUSRI, 2019 - 2020
- "Contactless Human Height Measurement based on Computer Vision", Internship Project, 2019 - 2020

Jilin University, Jilin, China
- "Multi-target recognition system based on Mask R-CNN", Open Innovation Experiment, 2018-2019
- "Intelligent invigilation system based on deep learning", College Students Innovation Training Project, 2017 - 2018
- "Design of handwritten numbers recognition system based on CNN", Open Innovation Experiment, 2016-2017

Distinction

Research Tuition Scholarship, City University of Hong Kong, 2023.
Outstanding Academic Performance Award, City University of Hong Kong, 2023
Meritorious Winner, Mathematical Contest in Modeling, 2019
The First Price, Jilin Undergraduate Mathematical Contest in Modeling, 2018
The Third Price, MathorCup Mathematics Modeling Challenge, 2017

Publication

[1] **Haoyu Chen**, Linqi Song, Zhenxing Qian, Xinpeng Zhang, and Kede Ma. Hiding Images in Deep Probabilistic Models. Advances in Neural Information Processing Systems, 2022.

[2] **Haoyu Chen**, Zhihua Wang, Yang Yang, Qilin Sun, and Kede Ma. Learning a Deep Color Difference Metric for Photographic Images. Conference on Computer Vision and Pattern Recognition, 2023.