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EDUCATION

Nanyang Technological University, Singapore *Ph.D. Candidate* Aug 2021 - Aug 2024 (Expected)
Supervisor: Prof. Weisi Lin (NTU), Dr. Qiong Yan & Dr. Wenxiu Sun (SenseTime)
Research Topic: Explainable and Robust Visual Quality Assessment

Peking University, Beijing, China *Bachelor of Science* Sep 2017 - June 2021
Supervisor: Assoc. Prof. Tingting Jiang (PKU)

RESEARCH SPOTLIGHT

(i1) **Q-Bench: A Benchmark for General-Purpose Foundation Models on Low-level Vision**
Project Page: <https://github.com/VQAssessment/Q-Bench>^{52*}, Preprint: (arxiv ID) 2309.14181

PUBLICATIONS AS FIRST AUTHOR

(c4) **Towards Explainable In-the-Wild Video Quality Assessment: a Database and a Language-Prompted Approach**
in *Proceedings of ACM International Conference on Multimedia (ACMMM)* 2023
Code&Database: <https://github.com/VQAssessment/MaxVQA>^{26*}, Preprint: (arxiv ID) 2305.12726

(c3) **Exploring Video Quality Assessment of User Generated Contents from Aesthetic and Technical Perspectives**
in *Proceedings of IEEE International Conference on Computer and Vision (ICCV)* 2023
Code: <https://github.com/VQAssessment/DOVER>^{100*}, Preprint: (arxiv ID) 2211.04894

(j3*) **Towards Robust Text-Prompted Semantic Criterion for In-the-Wild Video Quality Assessment** (Ext. Journal of c2)
under review for *IEEE Transactions on Image Processing*
Code: <https://github.com/VQAssessment/BVQI>^{23*}, Preprint: (arxiv ID) 2304.14672

(c2) **Exploring Opinion-unaware Video Quality Assessment with Semantic Affinity Criterion** (Oral, Conference Ver.)
in *Proceedings of IEEE International Conference on Multimedia and Expo (ICME)* 2023
Code: <https://github.com/VQAssessment/BVQI>^{23*}, Preprint: (arxiv ID) 2302.13269

(j2) **Neighbourhood Representative Sampling for Efficient End-to-end Video Quality Assessment** (Ext. Journal of c1)
IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI, IF: 23.6)
Code: <https://github.com/VQAssessment/FAST-VQA-and-FasterVQA>^{161*}, Preprint: (arxiv ID) 2210.05357

(c1) **FAST-VQA: Efficient End-to-End Video Quality Assessment via Fragment Sampling** (Conference Ver.)
in *Proceedings of European Conference on Computer Vision (ECCV)* 2022
Code: <https://github.com/VQAssessment/FAST-VQA-and-FasterVQA>^{161*}, Preprint: (arxiv ID) 2207.02595

(j1) **DisCoVQA: Temporal Distortion-Content Transformers for Video Quality Assessment**
IEEE Transactions on Circuits and Systems for Video Technology (TCSVT, IF: 8.4)
Code: <https://github.com/VQAssessment/DisCoVQA>, Preprint: (arxiv ID) 2206.09853

PUBLICATIONS AS MAIN CONTRIBUTING AUTHORS

(j5)^{3rd} **AGIQA-3K: An Open Database for AI-Generated Image Quality Assessment**, in *TCSVT*, 2023

(j4)^{4th} **Towards Transparent Deep Image Aesthetics Assessment with Tag-based Content Descriptors**, in *TIP*, 2023

(c5)^{3rd} **Exploring the effectiveness of video perceptual representation in blind video quality assessment**, in *ACMMM*, 2022

INDUSTRIAL EXPERIENCES

TikTok, Singapore *Research Intern, Multi-modality Large Language Models (MLLMs)* May 2023 - Aug 2023

SenseTime Research, Beijing, China *Research Intern, Portrait Image Quality Assessment* Jan 2022 - July 2022

Megvii Technologies, Beijing, China *Research Intern, Image Restoration* July 2020 - Apr 2021