Qitong Wang (He/Him/His)

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🌐 https://wqtwjt1996.github.io/

(Updated on Dec. 14th, 2025.)

Education

2021 – Now	🔖	**Ph.D. University of Delaware**; Computer & Information Sciences. Advisor: *Christopher Rasmussen*.
2018 – 2020	🔖	**M.S. Boston University**; Computer Science. Advisor: *Margrit Betke*.
2014 – 2018	🔖	**B.Eng. Wuhan University of Technology**; Software Engineering. GPA: 91.04/100; Rank: 2/228.

Research Publications

Journal & Conference

1. **Q. Wang**, E. Chinkaka, R. Richaud, M. Haghdadi, C. Wolk, K. V. Oromeng, K. F. Davis, F. Bianco, X. Peng, and J. M. Klinger.
"MO-SAM: Testing the reliability and limits of mine feature delineation using Segment Anything Model to democratize mine observation and research."
PLOS Sustainability and Transformation, 2025.

2. **Q. Wang**, T. Li, K. X. Nguyen, and X. Peng
"Beyond Accuracy: On the Effects of Fine-tuning Towards Vision-Language Model's Prediction Rationality."
Association for the Advancement of Artificial Intelligence (AAAI), 2025.
▷ *Acceptance rate 23.4%; Top conference in Artificial Intelligence.*

3. **Q. Wang**, L. Zhao, L. Yuan, T. Liu, and X. Peng
"Learning from Semantic Alignment between Unpaired Multiviews for Egocentric Video Recognition."
International Conference on Computer Vision (ICCV), 2023.
▷ *Acceptance rate 26.1%; Top conference in Computer Vision & Pattern Recognition.*

4. **Q. Wang**, B. Fu, M. Li, J. He, X. Peng, and Y. Qiao
"Region-aware Arbitrary-shaped Text Detection with Progressive Fusion."
IEEE Transactions on Multimedia (TMM), 2022.
▷ *Impact factor 7.3; Top journal in Multimedia.*
▷ *The first two authors contributed equally to this work.*

5. Y. Zou, J. Choi, **Q. Wang**, and J.-B. Huang
"Learning representational invariances for data-efficient action recognition."
Computer Vision and Image Understanding (CVIU), 2022.
▷ *Impact factor 4.5; Prestigious journal in Computer Vision & Pattern Recognition.*

6. Y. Zheng, **Q. Wang**, and M. Betke
"Semantic-Based Sentence Recognition in Images Using Bimodal Deep Learning."
IEEE International Conference on Image Processing (ICIP), 2021.
▷ *Prestigious conference in Computer Vision & Pattern Recognition.*

7. **Q. Wang**, Y. Zheng, and M. Betke
"A Method for Detecting Text of Arbitrary Shapes in Natural Scenes That Improves Text Spotting."
Workshops of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPRW), 2020.

Internship & Collaboration

May 2026 – Aug 2026	🔖	**PhD Research Intern,** Dolby Laboratories.
Sep 2021 – Now	🔖	**Graduate Research Assistant,** University of Delaware.
Jun 2025 – Sep 2025	🔖	**PhD Research Intern,** Dolby Laboratories.
Sep 2021 – Nov 2022	🔖	**Research Collaboration,** Google Research.
Jun 2021 – Aug 2021	🔖	**Applied Science Intern,** Amazon Web Services (AWS).
May 2020 – Aug 2020	🔖	**Visiting Student,** Shenzhen Institute of Advanced Technology.

Selected Projects

Jun. 2025 - Sep. 2025	🔖	**Dolby Laboratories;** Introduced a new approach that improves both the reliability and efficiency of Vision-Language Models (VLMs) for video learning and understanding; work in submission.
May. 2024 - May. 2025	🔖	**Deep-REAL Lab, University of Delaware;** Introduced a new dataset for video understanding and benchmarked various models, including Multimodal Large Language Models such as Video-LLaVA and VideoLLaMA2.
Sep. 2023 - Aug. 2024	🔖	**Deep-REAL Lab, University of Delaware;** Designed experiments to investigate the impact of fine-tuning on the prediction rationality of Vision-Language Models (e.g., CLIP); work accepted by AAAI-2025.
Mar. 2023 - Apr. 2024	🔖	**Dept. of Geog., University of Delaware;** Proposed a method utilizing the "Segment Anything Model (SAM)" to detect mine features in satellite imagery; work accepted by PLOS Sustainability and Transformation, 2025.
Sep. 2021 - Nov. 2022	🔖	**Google Research (Collaboration);** Developed a method to align unpaired multiview videos with varying cross-view semantic information, utilizing the capabilities of Large Language Models; work accepted by ICCV-2023.
May. 2021 - Aug. 2021	🔖	**Amazon Web Services;** Developed a method for image-text retrieval.
May. 2020 - Nov. 2020	🔖	**Shenzhen Inst. of Adv. Tech., Chinese Academy of Sciences;** Developed a new method for scene text detection; work accepted by TMM-2022.

Awards

2024	🔖	**Outstanding Conference Travel Award**, CIS department of University of Delaware.
	🔖	**CIS Distinguished Graduate Student Award**, University of Delaware.
2023	🔖	**Outstanding Conference Travel Award**, CIS department of University of Delaware.

Services

Conference Reviewer	🔖	ECCV 2024, CVPR 2025-2026, ICCV 2025, ACMMM 2025, ACMMM 2025 Datasets, BMVC 2024-2025.
Journal Reviewer	🔖	IEEE TIP, IEEE TMM, IEEE Access, Journal of Supercomputing, PLOS ONE.
Program Committee	🔖	AAAI 2026
Vol. Conf. Reviewer	🔖	CVPR 2023, NeurIPS 2023, AAAI 2024, ICLR 2025.
Vol. Jour. Reviewer	🔖	IEEE TAI, IEEE TPAMI, ACM TIST.

Invited Talk

Sep. 2023   🔖   **Extraction, Effluent, and Enumeration in Extraglobal Geopolitics;** Off-Earth Geopolitics Workshop. University of Oxford (virtually).

Skills

Coding   🔖   Python, Pytorch, LaTeX, …

Large Models   🔖   CLIP, SAM, BERT, Video MLLMs (Video-LLaVA, VideoLLaMA2)…