Qitong Wang (He/Him/His)

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https://wqtwjt1996.github.io/

(Updated on Jan. 27th, 2026.)

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	ICML 2026, CVPR 2025-2026, ICCV 2025, ECCV 2024-2026, ACMMM 2025, ACMMM 2025 Datasets, BMVC 2024-2025.
Journal Reviewer	IEEE TIP, IEEE TMM, ACM Computing Surveys, 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)…