Yujiao Shi, Australian National University

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🌐 https://shiyujiao.github.io/
115 North Rd, Canberra, Australia, ACT 2601
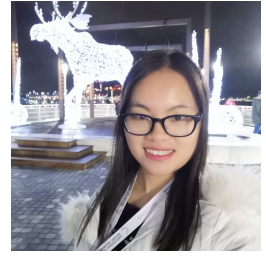
Education

2018 – 2023   🔖 **Ph.D., Australian National University, Canberra, Australia.**
Supervisor: Prof. Hongdong Li

2014 – 2017   🔖 **M.S., Nanjing University of Posts and Telecommunications, Nanjing, China.**
Supervisor: Prof. Hao Gao

2010 – 2014   🔖 **B.S., Nanjing University of Posts and Telecommunications, Nanjing, China.**
Major: Automation.

Working Experience

Jan 2023 – Now   🔖 **Research Fellow, Australian National University, Canberra, Australia.**

Research Communications

Jan 2022 – June 2022   🔖 **Meta (Facebook) Reality Lab**

July 2022 – Oct 2022   🔖 **Tencent**

List of Publications

Journal Articles

1. **Shi, Yujiao**, Campbell, Dylan, Yu, Xin, & Li, Hongdong. (2022). Geometry-guided street-view panorama synthesis from satellite imagery. *IEEE TPAMI*.

2. **Shi, Yujiao**, Yu, Xin, Liu, Liu, Campbell, Dylan, Koniusz, Piotr, & Li, Hongdong. (2022). Accurate 3-dof camera geo-localization via ground-to-satellite image matching. *IEEE TPAMI*.

Conference Proceedings

1. **Shi, Yujiao**, Wu, Fei, Akhil Perincherry, Ankit Vora, & Li, Hongdong. (2023). Boosting 3-dof ground-to-satellite camera localization accuracy via geometry-guided cross-view transformer. In *ICCV 2023*.

2. **Shi, Yujiao** & Li, Hongdong. (2022). Beyond cross-view image retrieval: highly accurate vehicle localization using satellite image. In *CVPR 2022*.

3. **Shi, Yujiao**, Yu, Xin, Wang, Shan, & Li, Hongdong. (2022). Cvlnet: cross-view semantic correspondence learning for video-based camera localization. In *ACCV 2022 oral*.

4. **Shi, Yujiao**, Li, Hongdong, & Yu, Xin. (2021). Self-supervised visibility learning for novel view synthesis. In *CVPR 2021*.

5. **Shi, Yujiao**, Yu, Xin, Campbell, Dylan, & Li, Hongdong. (2020). Where am i looking at? joint location and orientation estimation by cross-view matching. In *CVPR 2020*.

6 **Shi, Yujiao**, Yu, Xin, Liu, Liu, Zhang, Tong, & Li, Hongdong. (2020). Optimal feature transport for cross-view image geo-localization. In ***AAAI 2020 oral***.

7 **Shi, Yujiao**, Liu, Liu, Yu, Xin, & Li, Hongdong. (2019). Spatial-aware feature aggregation for image based cross-view geo-localization. In ***NeurIPS 2019***.

Awards (Since 2018)

2023   ⚑ ICCV 2023 Registration Waiver and Travel Grant
       ⚑ CVPR 2023 Registration Waiver and Travel Grant
2022   ⚑ CVPR 2022 Registration Waiver and Travel Grant
2021   ⚑ CVPR 2021 Outstanding Reviewer
2019   ⚑ NeurIPS 2019 Travel Grant
2018   ⚑ ANU ACRV Top-Up Scholarship

Teaching Experience

2019 – 2021   ⚑ **Guest Lecturer:** Computer Vision (ENGN`4528/6528`), Research school of CECS, Australian National University.

2015 – 2016   ⚑ **Guest Lecturer:** Artificial Intelligence, College of Automation, Nanjing University of Posts and Telecommunications.