

Yiqing Liang

+1 6177840224 | yiqing_liang@brown.edu
[Personal webpage](#) | [Google Scholar](#) | [LinkedIn](#)

Education

- Brown University** Providence, RI
Ph.D. in Computer Science Sep 2021–
• Advisor: [Professor James Tompkin](#)
- Columbia University** New York, NY
M.S. (Thesis) in Computer Science Aug 2019 – May 2021
• Advisor: [Professor Shuran Song](#) & [Professor Shih-Fu Chang](#)
- Massachusetts Institute of Technology (MIT)** Cambridge, MA
Exchange Student, Electrical Engineering and Computer Science Feb 2018 – Jun 2018
• Special Student Program
- Fudan University** Shanghai, China
B.S. in Computer Science, Best Thesis Honor (A) Sep 2015 – Jun 2019
• Selected awards: Excellent Student Scholarship (5%, 2016), Excellent Student Leader (5%, 2016)

Publications

- [1] *GauFRe: Gaussian Deformation Fields for Real-time Dynamic Novel View Synthesis*
Yiqing Liang, Numair Khan, Zhengqin Li, Thu Nguyen-Phuoc, Douglas Lanman, James Tompkin, Lei Xiao
In submission (Arxiv coming soon)
- [2] *Semantic Attention Flow Fields for Monocular Dynamic Scene Decomposition*
Yiqing Liang, Eliot Laidlaw, Alexander Meyerowitz, Srinath Sridhar, James Tompkin
Proceedings of the International Conference on Computer Vision (ICCV), 2023
[Project](#) [Arxiv](#)
- [3] *Sgeittl: Scene graph enhanced image-text learning for visual commonsense reasoning*
Zhecan Wang, Haoxuan You, Liunian Harold Li, Alireza Zareian, Suji Park, **Yiqing Liang**, Kai-Wei Chang, Shih-Fu Chang
Proceedings of the AAAI Conference on Artificial Intelligence (AAAI), 2022
[Project](#) [Arxiv](#)
- [4] *SSCNav: Confidence-Aware Semantic Scene Completion for Visual Semantic Navigation*
Yiqing Liang, Boyuan Chen, Shuran Song
Proceedings of the International Conference on Robotics and Automation (ICRA), 2021
[Project](#) [Arxiv](#)

Work Experience

- Meta** Redmond, WA
AI Research Scientist Intern Jun 2023 – Nov 2023
• DSR team, efficient neural rendering
• Mentor: [Numair Khan](#)
- SenseTime** Shanghai, China
Computer Vision Research Intern Aug 2018 – Mar 2019
• Mentor: [Cheng Li](#)

Invited Talks

- [1] “Semantic Attention Flow Fields for Monocular Dynamic Scene Decomposition” @ [NECV2022](#), [NEU](#)

Community Services

- [2] [Brown Visual Computing Seminar](#) organizer Jan 2023–
[3] [Brown WiCS](#) mentor Sep 2022–
[4] Brown Visual Computing Reading Group organizer Sep 2021 – Jun 2022