

Kuo-Hao Zeng

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Education and Research Experience

- 2013– **Allen Institute for AI (AI2)**, *Research Scientist*, PRIOR.
- 2018–2023 **University of Washington - Computer Science and Engineering**, *Ph.D.*,
Advisors: Prof. Ali Farhadi and Prof. Roozbeh Mottaghi @ UW RAIVN Lab.
- 2016–2017 **Stanford University - Computer Science**, *Visiting Student Researcher*,
Advisor: Dr. Juan Carlos Niebles @ SVL Lab.
- 2014–2017 **National Tsing Hua University - Electrical Engineering**, *M.S.*,
Advisor: Prof. Min Sun @ NTHU Vision Science Lab.
- 2010–2014 **National Sun Yat-sen University - Mechanical and Electromechanical Engineering**, *B.S.*

Selected Publications

- Ainaz Eftekhari*, **Kuo-Hao Zeng***, Jiafei Duan, Ali Farhadi, Ani Kembhavi, Ranjay Krishna, "Selective Visual Representations Improve Convergence and Generalization for Embodied AI". *ICLR 2024*, [🔗](#).
- Kuo-Hao Zeng**, Luca Weihs, Roozbeh Mottaghi, Ali Farhadi, "Moving Forward by Moving Backward: Embedding Action Impact over Action Semantics". *ICLR 2023*, [🔗](#).
- Kuo-Hao Zeng**, Luca Weihs, Ali Farhadi, Roozbeh Mottaghi, "Pushing it out of the Way: Interactive Visual Navigation". *CVPR 2021*, [🔗](#).
- Luca Weihs, Jordi Salvador, Klemen Kotar, Unnat Jain, **Kuo-Hao Zeng**, Roozbeh Mottaghi, Aniruddha Kembhavi, "AllenAct: A Framework for Embodied AI Research". *ArXiv 2020*, [🔗](#).
- Kuo-Hao Zeng**, Roozbeh Mottaghi, Luca Weihs, Ali Farhadi, "Visual Reaction: Learning to Play Catch with Your Drone". *CVPR 2020*, [🔗](#).
- Kuo-Hao Zeng**, William B. Shen, De-An Huang, Min Sun, Juan Carlos Niebles, "Visual Forecasting by Imitating Dynamics in Natural Sequences". *ICCV 2017*, [🔗](#).
- Kuo-Hao Zeng**, Shih-Han Chou, Fu-Hsiang Chan, Juan Carlos Niebles, Min Sun, "Agent-Centric Risk Assessment: Accident Anticipation and Risky Region Localization". *CVPR 2017*, [🔗](#).
- Kuo-Hao Zeng**, Tseng-Hung Chen, Ching-Yao Chuang, Yuan-Hong Liao, Juan Carlos Niebles, Min Sun, "Leveraging Video Descriptions to Learn Video Question Answering". *AAAI 2017*, [🔗](#).
- Kuo-Hao Zeng**, Tseng-Hung Chen, Juan Carlos Niebles, Min Sun, "Title Generation for User Generated Videos". *ECCV 2016*, [🔗](#).

Honors and Awards

- 2021 **2021 J.P. Morgan PhD Fellowship**, *J.P. Morgan*.
- 2018 **Paul G. Allen School First-Year Ph.D. Fellowship**, *UW CSE*.

Past Work Experience and Services

- Summer 2022 **Nvidia**, *Research Intern*.
- Summer 2021 **Facebook AI Research (FAIR)**, *Research Intern*.
- Summer 2020 **Allen Institute for AI (AI2)**, *Research Intern*.
- Summer 2019 **Nvidia**, *Research Intern*.
- **Reviewer**, *NeurIPS 2016, 2023, ECCV 2018, 2024, CVPR 2018, 2019, 2021, 2023, 2024, ACCV 2018, AAAI 2021, ICCV 2021, 2023*.