Kuo-Hao Zeng

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Education and Research Experience

2025-   **Vercept**, *Founding Research Scientist.*

2023-2025   **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.

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

Jiaheng Hu, Rose Hendrix, Ali Farhadi, Aniruddha Kembhavi, Roberto MartÃŋn-MartÃŋn, Peter Stone, **Kuo-Hao Zeng***, Kiana Ehsani*, "FLaRe: Achieving Masterful and Adaptive Robot Policies with Large-Scale Reinforcement Learning Fine-Tuning". *ICRA 2025*, ☑.

Ai2, "Molmo and PixMo: Open Weights and Open Data for State-of-the-Art Multimodal Models". *CVPR 2025*, ☑.

Kuo-Hao Zeng, Zichen "Charles" Zhang, Kiana Ehsani, Rose Hendrix, Jordi Salvador, Alvaro Herrasti, Ross Girshick, Aniruddha Kembhavi, Luca Weihs, "PoliFormer: Scaling On-Policy RL with Transformers Results in Masterful Navigators". *CoRL 2024*, ☑.

Kiana Ehsani*, Tanmay Gupta*, Rose Hendrix*, Jordi Salvador*, Luca Weihs*, **Kuo-Hao Zeng***, Kunal Pratap Singh, Yejin Kim, Winson Han, Alvaro Herrasti, Ranjay Krishna, Dustin Schwenk, Eli VanderBilt, Aniruddha Kembhavi, "Imitating Shortest Paths in Simulation Enables Effective Navigation and Manipulation in the Real World". *CVPR 2024*, ☑.

Ram Ramrakhya, Aniruddha Kembhavi, Dhruv Batra, Zsolt Kira, **Kuo-Hao Zeng***, Luca Weihs*, "Seeing the Unseen: Visual Common Sense for Semantic Placement". *CVPR 2024*, ☑.

Ainaz Eftekhar*, **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*, ☑.

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*, ☑.

Services

Area Chair, *ICCV 2025*.

Reviewer, *NeurIPS 2016, 2023, ECCV 2018, 2024, CVPR 2018, 2019, 2021, 2023, 2024, 2025, ACCV 2018, AAAI 2021, ICCV 2021, 2023, ICLR 2023, 2024, ICML 2024, RA-L.*