FELIX YANWEI WANG

(802) 349-7611 | felixw@mit.edu | **portfolio:** https://yanweiw.github.io

EDUCATION

Massachusetts Institute of Technology — **Cambridge, MA**
Ph.D. EECS (Robot Learning) | GPA: 4.5/5.0 (Advisor: Julie Shah) — *2019 - Current*

Northwestern University — **Evanston, IL**
M.S. Robotics | GPA: 4.0/4.0 — *2019*

Middlebury College — **Middlebury, VT**
B.A. Physics & Computer Science | GPA: 3.75/4.0 — *2017*

RESEARCH

Massachusetts Institute of Technology - CSAIL — **Cambridge, MA**
Advisor: Julie Shah — *2019 - Current*

- PhD: Inference-Time Policy Customization via Interactive Task Specification

Nvidia Robotics Lab — **Seattle, WA**
Advisor: Dieter Fox — *2023 - 2024*

- Inference-Time Policy Steering

MIT Work of the Future — **Cambridge, MA**
Advisor: Ben Armstrong — *2023*

- Work of the Future Fellow in Generative AI

MIT-IBM Watson AI Lab — **Cambridge, MA**
Advisor: Chuang Gan — *2022 - 2023*

- Prompting Motion Generator for Embodied Behavior Synthesis

PUBLICATIONS

- **Y Wang**, L Wang, Y Du, B Sundaralingam, X Yang, Y Chao, C P´erez-D'Arpino, D Fox, J Shah. Inference-Time Policy Steering through Human Interactions. Preprint 2024

- M Hagenow, D Kontogiorgos, **Y Wang**, J Shah. Versatile Demonstration Interface: Toward More Flexible Robot Demonstration Collection. Preprint 2024

- **Y Wang**, TH Wang, J Mao, M Hagenow, J Shah. Grounding Language Plans in Demonstrations Through Counterfactual Perturbations. **(ICLR 2024 Spotlight)**

- **Y Wang**, N Figueroa, S Li, A Shah, J Shah. Temporal logic imitation: Learning plan-satisficing motion policies from demonstrations. Proceedings of The 6th Conference on Robot Learning, PMLR 205:94-105, 2023. **(CoRL 2022 Oral, IROS 2023 Best Student Paper** @ Learning Meets Model-based Methods for Manipulation and Grasping Workshop***)***

- Z Guo, P Wang, **Y Wang**, S Yu. Dr. llama: Improving small language models in domain-specific qa via generative data augmentation. **(KDD 2023)**

- **Y Wang**, CY Ko, P Agrawal. Visual pre-training for navigation: What can we learn from noise? 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems **(IROS 2023)**

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- YE Menglong, **Y Wang**, E Ayvali, DP Noonan. Anatomical Feature Identification and Targeting. US Patent 11,298,195

PRESENTATIONS

- **Fall 2024** Inference-Time Policy Customization through Interactive Task Specification. MIT EI Seminar
- **Fall 2024** Inference-Time Policy Alignment through Human Interactions. Invited Talk at University of New Hampshire
- **Summer 2024** Conditional Motion Generation through Physical Interactions. Invited Talk at RSS 2024 Generative AI Meets Human Robot Interaction Workshop
- **Summer 2024** Conditional Motion Generation through Physical Interactions. Invited Talk at Fauna Robotics
- **Spring 2024** Interactive Task and Motion Imitation. Invited Talk at Brown University Robotics Seminar
- **Spring 2024** Interactive Task and Motion Imitation. Invited Talk at University of Utah