

Kenneth Marino

Google DeepMind
kmarino@google.com

kennethmarino.com

Education / Work History

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| Google DeepMind <i>Research Scientist</i> | New York, N.Y. 2021-Present |
| Columbia University in the City of New York <i>Adjunct Professor of Computer Science</i> | New York, N.Y. 2023-Present |
| Carnegie Mellon University <i>Ph.D. in Machine Learning</i> <ul style="list-style-type: none">• Department: Machine Learning• Advisor: Abhinav Gupta• GPA: 4.0 | Pittsburgh, P.A. 2015-2021 |
| Facebook AI Resarch (FAIR) <i>RS Intern (Supervisors: Marcus Rohrbach, Xinlei Chen)</i> | Menlo Park, CA Summer 2020 |
| Facebook AI Resarch (FAIR) <i>RS Intern (Supervisors: Rob Fergus, Arthur Szlam)</i> | New York, NY Summer 2018 |
| Allen Institute for Artificial Intelligence <i>RS Intern (Supervisors: Ali Farhadi, Roozbeh Mottaghi, Mohammad Rastegari)</i> | Seattle, WA Summer 2017 |
| Georgia Institute of Technology <i>Bachelor of Science</i> <ul style="list-style-type: none">• Major: Computer Engineering. Minor: Computer Science• GPA: 4.0 | Atlanta, G.A. 2010-2015 |

Publications

- T. Sumers, **K. Marino**, A. Ahuja, R. Fergus, I. Dasgupta. Distilling Internet-Scale Vision-Language Models into Embodied Agents. *ICML 2023*
- M. Zaheer*, **K. Marino***, W. Grathwohl*, J. Schultz, W. Shang, S. Babayan, A. Ahuja, I. Dasgupta, C. Kaeser-Chen, R. Fergus (* equal contribution). Learning to Navigate Wikipedia by Taking Random Walks. *NeurIPS 2022*
- D. Schwenk A. Khandelwal, C. Clark, **K. Marino**, R. Mottaghi. A-OKVQA: A Benchmark for Visual Question Answering using World Knowledge. *ECCV 2022*
- I. Dasgupta, C. Kaeser-Chen, **K. Marino**, A. Ahuja, S. Babayan, F. Hill, R. Fergus. Collaborating with language models for embodied reasoning. *LaReL: Language and Reinforcement Learning Workshop, NeurIPS 2022*
- K. Marino**, X. Chen, D. Parikh, A. Gupta, M. Rohrbach. KRISP: Integrating Implicit and Symbolic Knowledge for Open-Domain Knowledge-Based VQA. *CVPR 2021*.
- V. Chen, A. Gupta, **K. Marino**. Ask Your Humans: Using Human Instructions to Improve Generalization in Reinforcement Learning. *ICLR 2021*.
- A. Murali, W. Liu, **K. Marino**, S. Chernova, A. Gupta. Same Object, Different Grasps: Data and Semantic Knowledge for Task-Oriented Grasping. *CoRL 2020*.

K. Marino, R. Fergus, A. Szlam, A. Gupta. Empirically Verifying Hypotheses Using Reinforcement Learning. arXiv preprint arXiv:2006.15762 2020.

K. Marino, M. Rastegari, A. Farhadi, R. Mottaghi. OK-VQA: A Visual Question Answering Benchmark Requiring External Knowledge. *CVPR 2019*.

K. Marino, A. Gupta, R. Fergus, A. Szlam. Hierarchical RL Using an Ensemble of Proprioceptive Periodic Policies. *ICLR 2019*.

K. Marino, R. Salakhudinav, A. Gupta. The More You Know: Using Knowledge Graphs for Image Classification. *CVPR 2017*.

J. Walker, **K. Marino**, A. Gupta, M. Hebert. The Pose Knows: Video Forecasting by Generating Pose Futures. *ICCV 2017*.

Teaching

COMS 6998: Machine Learning Datasets

Instructor

16-824 Visual Learning and Recognition

Head Teaching Assistant

10-401 Introduction to Machine Learning

Teaching Assistant

CS 2050 Intro. Discrete Mathematics

Teaching Assistant

Columbia University in New York City

Fall 2023

Carnegie Mellon University

Spring 2019

Carnegie Mellon University

Spring 2018

Georgia Institute of Technology

Spring 2014

Service

- Workshop Organizer: O-DRUM Workshop @ CVPR 2023
- Workshop Organizer: O-DRUM Workshop @ CVPR 2022
- MLD Ph.D Admissions Committee (2019-2020)
- MLD M.S. Admissions Committee (2016-2017)
- MLD Student Social Committee (2016-2017)
- CMU Graduate Student Assembly (2017-Present)
- Refereed for CVPR, ICCV, NeurIPS, and ECCV

Selected Awards, Fellowships & Honours

NDSEG Graduate Research Fellowship 2017-2021
NSF Graduate Research Fellowship 2015-2017
CVPR Best Reviewer Award 2020
Georgia Institute of Technology Presidents Scholar 2010-2015
Watson Scholar 2010-2015