

Jasmine Collins

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Education

University of California Berkeley

PH.D. CANDIDATE IN COMPUTER SCIENCE (ADVISED BY JITENDRA MALIK)

Berkeley, CA

Aug 2017 - present

University of Pittsburgh

B.S. IN COMPUTER SCIENCE AND NEUROSCIENCE, MINOR IN CHEMISTRY (GRADUATED SUMMA CUM LAUDE)

Pittsburgh, PA

Aug 2012 - May 2016

Work Experience

Meta (FAIR)

AI RESEARCH INTERN

Menlo Park, CA

Sept 2022 - present

Amazon

APPLIED SCIENTIST INTERN

Seattle, WA

May 2022 - Sept 2022

Google Brain

RESEARCH SCIENTIST INTERN

AI RESIDENT

Mountain View, CA

May 2018 - Sept 2018

Jun 2016 - Aug 2017

Selected Publications & Preprints

J. Collins, S. Goel, A. Luthra, L. Xu, K. Deng, X. Zhang, T. Yago, H. Arora, T. Dideriksen, M. Guillaumin, J. Malik. ABO: Dataset and benchmarks for real-world 3D object understanding. *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022.

E. Yiu, J. Collins, A. Gopnik. Three-Dimensional Object Completion in Humans and Computational Models. *Annual Meeting of the Cognitive Science Society (CogSci)*, 2022.

R. Guo, J. Collins, O. Lima, A. Owens. GANmouflage: 3D Object Nondetection with Texture Fields. *arXiv:2201.07202*, 2021.

E. Kosoy, J. Collins, D. Chan, S. Huang, D. Pathak, P. Agarwal, J. Canny, A. Gopnik, J. Hamrick. Exploring exploration: comparing children with RL agents in unified environments. *International Conference on Learning Representations (ICLR) Workshop*, **Oral**, 2020.

J. Collins, K. Xu, B. Olshausen, B. Cheung. Automatically inferring task context for continual learning. *Cognitive Computational Neuroscience (CCN)*, **Oral**, 2019.

J. Collins, J. Balle, J. Shlens. Accelerating training of deep neural networks with a standardization Loss. *Women in Machine Learning (WiML) Workshop*, 2019.

C. Pandarinath, D. O'Shea, J. Collins, R. Jozefowicz, S. Stavisky, J. Kao, E. Trautmann, M. Kaufman, S. Ryu, L. Hochberg, J. Henderson, K. Shenoy, L. Abbott, D. Sussillo. Inferring single-trial neural population dynamics using sequential auto-encoders. *Nature Methods*, 2018.

J. Collins, J. Sohl-Dickstein, D. Sussillo. Capacity and trainability in recurrent neural networks. *International Conference on Learning Representations (ICLR)*, 2017.

Teaching

Introduction to Artificial Intelligence

GRADUATE STUDENT INSTRUCTOR

University of California, Berkeley

Spring 2022

Introduction to Artificial Intelligence

GRADUATE STUDENT INSTRUCTOR

University of California, Berkeley

Spring 2020

Awards

- 2022 **Meta-BAIR Commons**, A year of funding for research in collaboration with Meta
- 2021 **Amazon-BAIR Commons**, A year of funding for research in collaboration with Amazon
- 2021 **DeepMind Compute Award**, Compute funding for joint Berkeley-DeepMind research collaboration
- 2017 **NSF Graduate Research Fellowship Program (GRFP)**, Three years of support for graduate students who have demonstrated potential for significant achievements in science and engineering
- 2017 **Berkeley EECS Excellence Award**, Award for incoming graduate students with an outstanding undergraduate academic record
- 2016 **NCWIT Collegiate Award**, Award for college women with outstanding technical accomplishments that demonstrate a high level of creativity and potential impact