

# Eric Anthony Mitchell

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## EDUCATION

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**Stanford University**, Stanford, CA 2019 - PRESENT  
Ph.D. in Computer Science  
Advisors: Chelsea Finn & Christopher D. Manning

**Princeton University**, Princeton, NJ 2014 - 2018  
B.S.E., Computer Science (Highest Honors)  
Advisor: H. Sebastian Seung

## PROFESSIONAL EXPERIENCE

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**Google DeepMind** Research Scientist Intern [*Deep Learning team*] 2022

**Samsung Research America** Research Intern, part-time 2019 - 2020

**Samsung Research America** Machine Learning Research Engineer 2018 - 2019

**Princeton Neuroscience Institute** Research Engineer 2018

**Google** Software Engineering Intern 2017

**TapTools LLC** Founder, iOS Developer 2012 - 2016

## SELECTED PUBLICATIONS & PREPRINTS

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**Eric Mitchell**, Joseph J Noh, Siyan Li, William S Armstrong, Ananth Agarwal, Patrick Liu, Chelsea Finn, Christopher D Manning. Enhancing Self-Consistency and Performance of Pretrained Language Models with NLI. *Oral, Empirical Methods in Natural Language Processing (EMNLP)*. 2022

**Eric Mitchell\***, Peter Henderson\*, Christopher D. Manning, Dan Jurafsky, Chelsea Finn. Self-Destructing Models: Increasing the Costs of Harmful Dual Uses in Foundation Models. *International Conference on Machine Learning (ICML) Workshop on Pitfalls of Pre-training & Workshop on Frontiers of Adversarial Learning*. 2022

**Eric Mitchell**, Charles Lin, Antoine Bosselut, Christopher D. Manning, Chelsea Finn. Memory-Based Model Editing at Scale. *International Conference on Machine Learning (ICML)*. 2022

**Eric Mitchell**, Charles Lin, Antoine Bosselut, Chelsea Finn, Christopher D. Manning. Fast Model Editing at Scale. *International Conference on Learning Representations (ICLR)*. 2022

Suraj Nair, **Eric Mitchell**, Kevin Chen, Brian Ichter, Silvio Savarese, Chelsea Finn. Learning Language-Conditioned Robot Behavior from Offline Data and Crowd-Sourced Annotation. *Conference on Robot Learning (CORL)*. 2021

Rishi Bommasani et al. On the Risks and Opportunities of Foundation Models. *Whitepaper, Center for Research on Foundation Models*. 2021

**Eric Mitchell**, Rafael Rafailov, Xue Bin Peng, Sergey Levine, and Chelsea Finn. Offline Meta-Reinforcement Learning with Advantage Weighting. *International Conference on Machine Learning (ICML)*. 2021

Riley Simmons-Eidler, Ben Eisner, Daniel Yang, Anthony Bisulco, **Eric Mitchell**, H. Sebastian Seung, Daniel D Lee. Reward Prediction Error as an Exploration Objective in Deep RL. *International Joint Conference on Artificial Intelligence (IJCAI)*. 2020

<b>Eric Mitchell</b> , Selim Engin, Volkan Isler, Daniel D Lee. Higher-Order Function Networks for Learning Composable 3D Object Representations. <i>International Conference on Learning Representations (ICLR)</i> .	2020
Tarik Tosun*, <b>Eric Mitchell*</b> , Ben Eisner, Jinwook Huh, Bhoram Lee, Daewon Lee, Volkan Isler, H. Sebastian Seung, Daniel D Lee. Pixels to Plans: Learning Non-Prehensile Manipulation by Imitating a Planner. <i>IEEE International Conference on Intelligent Robots and Systems (IROS)</i> .	2019
Riley Simmons-Edler*, Ben Eisner*, <b>Eric Mitchell*</b> , H. Sebastian Seung, Daniel D Lee. Q-Learning for Continuous Actions with Cross-Entropy Guided Policies. <i>ICML Workshop on Reinforcement Learning for Real Life</i> .	2019
<b>Eric Mitchell</b> , Stefan Keselj, Sergiy Popovych, Davit Buniatyan, H. Sebastian Seung. Siamese Encoding and Alignment by Multiscale Learning with Self-supervision. <i>Undergraduate Thesis</i> .	2018

## ACADEMIC AWARDS

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Knight-Hennessy Graduate Fellowship	2019 - 2022
Princeton CS Outstanding Undergraduate Thesis Prize	2018
Princeton CS Best Undergraduate Research Poster Prize	2017
Srixon/Cleveland Golf All-America Scholar	2017
Tau Beta Pi Engineering Honor Society Vice President	2016 - 2017
Princeton Shapiro Prize for Academic Excellence	2016

## SERVICE

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Stanford CS Ph.D. Admissions Committee Student Member	2020 - 2022
ICLR Conference Reviewer	2020 - 2021
NeurIPS Meta-Learning Workshop Reviewer	2020 - 2021
NeurIPS Conference Reviewer	2020 - 2021
AI4ALL Summer Camp Instructor	2018

## OTHER ACTIVITIES

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Princeton NCAA Division I Varsity Golf Team	2014 - 2018
HackPrinceton (1 <sup>st</sup> Place Team, Software)	2015
Guitar, Singing, Songwriting	