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WILLIAM WHITNEY

education

Ph.D, Computer Science, New York University, 2016 – present.

Advisor: Kyunghyun Cho

M.Eng., Computer Science, Massachusetts Institute of Technology, 2016.

Thesis: *Disentangled Representations in Neural Models*.

Advisor: Joshua B. Tenenbaum

S.B., Computer Science, Massachusetts Institute of Technology, 2013.

publications

William F. Whitney, Rajat Agarwal, Kyunghyun Cho, and Abhinav Gupta. *Dynamics-aware Embeddings*. In *International Conference on Learning Representations*, 2020.

William F. Whitney and Rob Fergus. *Understanding the Asymptotic Performance of Model-Based RL Methods*. 2018.

William F. Whitney and Rob Fergus. *Disentangling video with independent prediction*. In *Learning Disentangled Representations: from Perception to Control* at NIPS'17. 2017.

Mikael Henaff, William F. Whitney, and Yann LeCun. *Model-Based Planning with Discrete and Continuous Actions*. *arXiv preprint arXiv:1705.07177*, 2017.

Vlad Firoiu, William F. Whitney, and Joshua B. Tenenbaum. *Beating the world's best at Super Smash Bros. with deep reinforcement learning*. *arXiv preprint arXiv:1702.06230*, 2017.

William F. Whitney. *Disentangled Representations in Neural Models*. Master's thesis, Massachusetts Institute of Technology, 2016.

William F. Whitney, Michael Chang, Tejas Kulkarni, and Joshua B. Tenenbaum. *Understanding visual concepts with continuation learning*. In *International Conference on Learning Representations, Workshop Track*, 2016.

Tejas D. Kulkarni*, William F. Whitney*, Pushmeet Kohli, and Joshua B. Tenenbaum. *Deep convolutional inverse graphics network*. In *Advances in Neural Information Processing Systems*, pages 2539–2547, 2015.

Spotlight presentation given by William Whitney. *Equal contribution.

projects

Hydrogen, a tool for interactive programming in the Atom editor.

Downloaded >1,500,000 times and featured on the Atom web site.

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employment

Intern, DeepMind. 2019.

Intern, Facebook AI Research. 2018.

Intern, Facebook AI Research. 2016.

Founder, Moonshot Labs. 2013 – 2014.

Y Combinator-funded company focusing on speech transcription and search on mobile.

awards

NYU McCracken Fellowship, 2016 – 2021.

MIT Patrick J. McGovern Entrepreneurship Award, 2013.