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## WILLIAM WHITNEY

### education

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

Advisor: Rob Fergus

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 and Rob Fergus. *Understanding the Asymptotic Performance of Model-Based RL Methods*. In review. 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 >650,000 times and now maintained by an open-source team.

**employment** 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.