

## Education

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### University of Chicago

*BA in Mathematics (Honors)*

Chicago, IL  
*September 2010- June 2014*

### University of California, Berkeley

*Ph.D in Statistics*

Berkeley, CA  
*August 2014-August 2018*

## Publications

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### *Incentivizing Exploration In Reinforcement Learning With Deep Predictive Models.*

Bradly C. Stadie, Sergey Levine, Pieter Abbeel

NIPS 2015 Workshop on Deep Reinforcement Learning

arXiv: <https://arxiv.org/pdf/1507.00814.pdf>

### *Third-Person Imitation Learning*

Bradly C. Stadie, Pieter Abbeel, Ilya Sutskever

In the proceedings of the International Conference on Learning Representations (ICLR), Toulon, France, April 2017

arxiv: <https://arxiv.org/pdf/1703.01703.pdf>

### *One-Shot Imitation Learning*

Yan (Rocky) Duan, Marcin Andrychowicz, Bradly C. Stadie, Jonathan Ho, Jonas Schneider, Ilya Sutskever, Pieter Abbeel, Wojciech Zaremba.

In Neural Information Processing Systems (NIPS), Long Beach, California, December 2017.

arXiv: <https://arxiv.org/pdf/1703.07326.pdf>

### *Simulating the Stochastic Dynamics and Cascade Failure of Power Networks*

Charles Matthews, Bradly C. Stadie, Jonathan Weare, Mihai Anitescu, Christopher Demarco

Submitted IEEE Transactions on Power Systems.

arXiv: <https://arxiv.org/pdf/1806.02420.pdf>

### *Some Considerations on Learning to Explore via Meta-Reinforcement Learning*

Bradly C. Stadie, Ge Yang, Rein Houthooft, Xi Chen, Yan Duan, Yuhuai Wu, Pieter Abbeel, Ilya Sutskever

In Neural Information Processing Systems (NIPS), Montreal, Canada, December 2018.

arxiv: <https://arxiv.org/pdf/1803.01118.pdf>

### *Evolved Policy Gradients*

Rein Houthooft, Richard Y. Chen, Phillip Isola, Bradly C. Stadie, Filip Wolski, Jonathan Ho, Pieter Abbeel

In Neural Information Processing Systems (NIPS), Montreal, Canada, December 2018.

arxiv: <https://arxiv.org/pdf/1802.04821.pdf>

### *Transfer Learning for Estimating Causal Effects using Neural Networks.*

Bradly C. Stadie, Soeren R. Kuenzel, Nikita Vemuri, Varsha Ramakrishnan, Jasjeet S. Sekhon, Pieter Abbeel

Submitted to ICLR 2019.

arXiv: <https://arxiv.org/pdf/1808.07804.pdf>

### *Estimating Causal Effects Using Neural Networks with the Y-Learner*

Bradly C. Stadie, Soeren R. Kuenzel, Nikita Vemuri, Jasjeet S. Sekhon

<https://openreview.net/pdf?id=ryxnDoRcK7>

## Employment

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### Vector Institute

*Post Doctoral Scholar*

Toronto, Canada

*August 2018 - Present*

- Post doctoral researcher at the Vector Institute at the University of Toronto
- Advised by Jimmy Ba

### Open AI

*Research Scientist*

San Francisco, USA

*March 2016 - November 2017*

- Full time research scientist at Open AI
- Advised by Ilya Sutskever

### AI Expert at Y Combinator

*Part-time Partner*

San Francisco, USA

*January 2017 - January 2018*

- Advised Y Combinator on the latest trends in AI
- Advised over 50 startups on AI and ML problems

### Young Scholars Program/SESAME

*Counselor*

Chicago, USA

*June 2011 - May 2013*

- Taught Chicago-land high school students and CPS teachers mathematics
- Full time during summers. Every Saturday and Sunday during school year.
- Was head counselor from June 2012-May 2013.

## Awards

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- **Chancellors Fellowship:** Fellowship given to top entering graduate students in the UC system.

## Teaching

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- **Statistics 133: Concepts in Computing with Data.** Graduate Student Instructor. *Jan-May 2015*
- **Statistics 088: Introduction to Data Science.** Graduate Student Instructor. *Jan-May 2016*