

Eric Nalisnick

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Education

Ph.D. Computer Science	University of California, Irvine	2013-2018
M.S. Computer Science	Lehigh University	2012-2013
B.S. Computer Science & English Literature	Lehigh University	2008-2012

Employment

Postdoctoral Research Associate Supervisors: Zoubin Ghahramani, José Miguel Hernández-Lobato	University of Cambridge Fall 2018 to Present
Research Scientist Intern Supervisor: Balaji Lakshminarayanan	DeepMind Summer 2018
Graduate Student Researcher Supervisor: Padhraic Smyth	University of California, Irvine Fall 2013 to Spring 2018
Applied Scientist Intern Supervisors: Vijai Mohan, Eiman Elnahrawy	Amazon Fall 2016
Research Intern Supervisor: Hugo Larochelle	Twitter Summer 2016
Research Intern Supervisors: Rich Caruana, Nick Craswell	Microsoft Summer 2015
Research Scientist Intern Supervisors: Vijai Mohan, Rahul Bhagat	Amazon Summer 2014

Publications

CONFERENCE ARTICLES

1. D. Ji, **E. Nalisnick**, Y. Qian, R. Scheuermann, and P. Smyth. Bayesian Trees for Automated Cytometry Data Analysis. In *Proceedings of Machine Learning for Healthcare (MLHC)*, 2018.
2. **E. Nalisnick** and P. Smyth. Learning Priors for Invariance. In *Proceedings of the 21st International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2018.
3. **E. Nalisnick** and P. Smyth. Learning Approximately Objective Priors. In *Proceedings of the 33rd Conference on Uncertainty in Artificial Intelligence (UAI)*, 2017.

4. **E. Nalisnick** and P. Smyth. Stick-Breaking Variational Autoencoders. In *Proceedings of the 5th International Conference on Learning Representations (ICLR)*, 2017.
5. **E. Nalisnick**, B. Mitra, N. Craswell, and R. Caruana. Improving Document Ranking with Dual Word Embeddings. In *Proceedings of the 25th World Wide Web Conference (WWW)*, 2016.
6. **E. Nalisnick** and H. Baird. Character-to-Character Sentiment Analysis in Shakespeare’s Plays. In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL)*, 2013.
7. **E. Nalisnick** and H. Baird. Extracting Sentiment Networks from Shakespeare’s Plays. In *Proceedings of the 12th International Conference on Document Analysis and Recognition (ICDAR)*, 2013.

THESES

1. **E. Nalisnick**. On Priors for Bayesian Neural Networks. *Doctoral Dissertation*, University of California, Irvine, 2018.
2. **E. Nalisnick**. Automatic Methods for Tracking Sentiment Dynamics in Plays. *Master’s Thesis*, Lehigh University, 2013.

Teaching

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|---|--------------|
| 1. Teaching Assistant University of California, Irvine
CS 175: Projects in Artificial Intelligence | 2018 |
| 2. Instructor University of California, Irvine
CS 299: Individual Study (Topics in Approximate Bayesian Inference) | 2017 |
| 3. Teaching Assistant University of California, Irvine
CS 274A: Probabilistic Learning | 2017 |
| 4. Instructor UCI Data Science Initiative
Advanced Predictive Modeling with Python | 2016 to 2017 |
| 5. Instructor UCI Data Science Initiative
Predictive Modeling with Python | 2015 to 2017 |

Talks

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| 1. Approximate Inference for Frequentist Uncertainty Estimation, SOCAL ML SYMPOSIUM | 2017 |
| 2. The Amortized Bootstrap, ICML WORKSHOP ON IMPLICIT MODELS | 2017 |
| 3. Deep Generative Models with Stick-Breaking Priors, UCI AI/ML SEMINAR | 2017 |
| 4. Alternative Priors for Deep Generative Models, OPENAI | 2017 |
| 5. Nonparametric Deep Generative Models, ICML WORKSHOP ON DATA-EFFICIENT ML | 2016 |

Professional Service

JOURNAL REVIEWING

Machine Learning Research	2018
Machine Learning	2017
Data Mining and Knowledge Discovery	2017

CONFERENCE REVIEWING

Neural Information Processing Systems (NIPS)	2016, 2017*, 2018
International Conference on Learning Representations (ICLR)	2018, 2019
International Conference on Machine Learning (ICML)	2018
Artificial Intelligence and Statistics (AISTats)	2019

* *best reviewer award*