

# Eric Nalisnick

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## Education

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

## Publications

### CONFERENCE ARTICLES

1. **E. Nalisnick** and P. Smyth. Learning Approximately Objective Priors. In *Proceedings of the 33rd Conference on Uncertainty in Artificial Intelligence (UAI)*, 2017.
2. **E. Nalisnick** and P. Smyth. Stick-Breaking Variational Autoencoders. In *Proceedings of the 5th International Conference on Learning Representations (ICLR)*, 2017.
3. **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.
4. **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.
5. **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.

### WORKSHOP ARTICLES

6. **E. Nalisnick** and P. Smyth. The Amortized Bootstrap. *Implicit Models*, ICML 2017.
7. **E. Nalisnick** and P. Smyth. Variational Reference Priors. Workshop Track, ICLR 2017.
8. **E. Nalisnick**, L. Hertel, and P. Smyth. Approximate Inference for Deep Latent Gaussian Mixtures. *Bayesian Deep Learning*, NIPS 2016.
9. **E. Nalisnick** and P. Smyth. Nonparametric Deep Generative Models with Stick-Breaking Priors. *Data-Efficient Machine Learning*, ICML 2016.
10. J. Park, M. Blume-Kohout, R. Krestel, **E. Nalisnick**, and P. Smyth. Analyzing NIH Funding Patterns over Time with Statistical Text Analysis. *Scholarly Big Data*, AAAI 2016.

## Research Experience

<b>Graduate Student Researcher</b> Smyth DataLab, University of California, Irvine. Supervisor: Padhraic Smyth	Fall 2013 to Present
<b>Applied Scientist Intern</b> Digital Recommendations, Amazon. Supervisors: Vijai Mohan, Eiman Elnahrawy	Fall 2016
<b>Research Intern</b> Cortex, Twitter. Supervisor: Hugo Larochelle	Summer 2016
<b>Research Intern</b> Microsoft Research / Bing, Microsoft. Supervisors: Rich Caruana, Nick Craswell	Summer 2015
<b>Research Scientist Intern</b> Recommendations Modeling, Amazon. Supervisors: Vijai Mohan, Rahul Bhagat	Summer 2014

## Engineering Experience

<b>Software Engineering Intern</b> Apparel Recommendations, Amazon.	Summer 2013
<b>Software Engineering Intern</b> Fulfillment Center Technologies, Amazon.	Summer 2012
<b>Software Engineering Intern</b> Website Rendering Platform, Amazon.	Summer 2011

## Teaching

1. Teaching Assistant   University of California, Irvine CS 274A: Probabilistic Learning	2017
2. Instructor   UCI Data Science Initiative Advanced Predictive Modeling with Python	2016 to Present
3. Instructor   UCI Data Science Initiative Predictive Modeling with Python	2015 to 2017

## Talks

1. The Amortized Bootstrap, ICML WORKSHOP ON IMPLICIT MODELS	2017
2. Deep Generative Models with Stick-Breaking Priors, UCI AI/ML SEMINAR	2017

- 3. Alternative Priors for Deep Generative Models, OPENAI 2017
- 4. Nonparametric Deep Generative Models, ICML WORKSHOP ON DATA-EFFICIENT ML 2016

## **Professional Service**

### JOURNAL REVIEWING

- Machine Learning 2017
- Data Mining and Knowledge Discovery 2017

### CONFERENCE REVIEWING

- Neural Information Processing Systems (NIPS) 2016, 2017