

Eric Nalisnick

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Education

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

Research Experience

Fall 2013-Present: **Graduate Student Researcher.** University of California, Irvine.
Supervised by Padhraic Smyth.

Fall 2016: **Applied Scientist Intern.** Amazon, Digital Recommendations (Irvine, CA).
Supervised by Vijai Mohan and Eiman Elnahrawy.

Summer 2016: **Research Intern.** Twitter, Advanced Tech. Group (Cambridge, MA).
Supervised by Hugo Larochelle.

Summer 2015: **Research Intern.** Microsoft, Microsoft Research & Bing (Redmond, WA).
Supervised by Rich Caruana and Nick Craswell.

Summer 2014: **Research Scientist Intern.** Amazon, Recommendations (Seattle, WA).
Supervised by Vijai Mohan and Rahul Bhagat.

Publications

Conference

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| 2017 | Nalisnick, E. and Smyth, P. (2017a). Learning approximately objective priors. In <i>Proceedings of the 33rd Conference on Uncertainty in Artificial Intelligence, UAI 2017, Sydney, Australia, August 11-15, 2017</i> |
| 2017 | Nalisnick, E. and Smyth, P. (2017b). Stick-breaking variational autoencoders. In <i>Proceedings of the 5th International Conference on Learning Representations, ICLR 2017, Toulon, France, April 24-26, 2017</i> |
| 2016 | Nalisnick, E. T., Mitra, B., Craswell, N., and Caruana, R. (2016b). Improving document ranking with dual word embeddings. In <i>Proceedings of the 25th International Conference on World Wide Web, WWW 2016, Montreal, Canada, April 11-15, 2016</i> |

- 2013 Nalisnick, E. T. and Baird, H. S. (2013a). Character-to-character sentiment analysis in shakespeare’s plays. In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics, ACL 2013, 4-9 August 2013, Sofia, Bulgaria, Volume 2: Short Papers*, pages 479–483
- 2013 Nalisnick, E. T. and Baird, H. S. (2013b). Extracting sentiment networks from shakespeare’s plays. In *2013 12th International Conference on Document Analysis and Recognition, Washington, DC, USA, August 25-28, 2013*, pages 758–762

Workshop

- 2017 Nalisnick, E. and Smyth, P. (2017c). Variational reference priors. *ICLR Workshop Track*
- 2016 Nalisnick, E., Hertel, L., and Smyth, P. (2016a). Approximate inference for deep latent gaussian mixtures. *NIPS Workshop on Bayesian Deep Learning*
- 2016 Nalisnick, E. and Smyth, P. (2016). Nonparametric deep generative models with stick-breaking priors. *ICML Workshop on Data-Efficient Machine Learning*
- 2016 Park, J., Blume-Kohout, M., Krestel, R., Nalisnick, E., and Smyth, P. (2016). Analyzing NIH funding patterns over time with statistical text analysis. *AAAI Workshop on Scholarly Big Data*

Teaching

Predictive Modeling with Python, 2015 to Present

Co-instructor of recurring day-long workshop for UCI graduate students. Offered through the UCI Data Science Initiative. Topics covered include linear regression, logistic regression, regularization, and model evaluation.

Advanced Predictive Modeling with Python, 2016 to Present

Instructor of recurring day-long workshop for UCI graduate students who have completed *Predictive Modeling with Python*. Offered through the UCI Data Science Initiative. Topics covered include feature learning (PCA, autoencoders, random projections) and classifier ensembling.

Awards and Honors

NSF Graduate Fellowship Honorable Mention (2014).

Phi Beta Kappa (2012).

Lehigh Eckardt Scholar (2010).