

Adam Goliński

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EDUCATION

UNIVERSITY OF OXFORD

PhD in Machine Learning

10/2017 - present | PhD research

03/2017 - 09/2017 | Lab rotations

10/2016 - 03/2017 | Taught courses

UNIVERSITY OF EDINBURGH

MPhys Computational Physics

2012 - 2016

First class honours

Direct entry to the 2nd year of study

Awards

2016, 2014 Top of class

2013 Certificate of Merit

UC BERKELEY

Physics and Computer Science

Year Abroad 2014 - 2015

HIGH SCHOOL

2009 - 2012 | Lublin, Poland

International Baccalaureate

RESEARCH INTERESTS

Probabilistic machine learning

Amortized inference

Bayesian inference

Monte Carlo methods

Deep generative models

Data compression/communication

Probabilistic programming

Representation learning

TALKS

Deep Learning for Monte Carlo

Nov 2020: Pierre Jacob's reading group, Harvard (remote)

Amortized Monte Carlo Integration

Oct 2020: StatML CDT Cohort 2020

Introductory Week, Oxford (remote)

Jun 2019: Probabilistic & Differentiable Programming Summit, Palo Alto

LINKS

github.com/talesa

twitter.com/adam_golinski

linkedin.com/in/adamgol

adamgol.me

EXPERIENCE

UNIVERSITY OF OXFORD

October 2017 - present | Dr Tom Rainforth, Prof. Yeh Whye Teh

- Research on probabilistic machine learning with focus on amortized inference.
- Reviewing service: AISTATS 2021; NeurIPS 2020; ICBINB@NeurIPS 2020; INN@ICML 2020, 2019; BDL@NeurIPS 2019, 2018.

[1] T. Rainforth*, A. Goliński*, F. Wood, and S. Zaidi, "Target-Aware Bayesian Inference: How to Beat Optimal Conventional Estimators," *JMLR*, 2020.

[2] A. Goliński*, R. Pourreza*, Y. Yang*, G. Sautière, and T. S. Cohen, "Feedback Recurrent Autoencoder for Video Compression," *ACCV*, 2020.

[3] A. Goliński*, F. Wood, and T. Rainforth*, "Amortized Monte Carlo Integration," *ICML, Best Paper Honourable Mention*, 2019.

[4] S. Webb, A. Goliński, R. Zinkov, N. Siddharth, T. Rainforth, Y. W. Teh, and F. Wood, "Faithful Inversion of Generative Models for Effective Amortized Inference," *NeurIPS*, 2018.

QUALCOMM AI RESEARCH | Research Scientist Intern

September 2019 - March 2020 | Amsterdam, Netherlands

- Worked on end-to-end video compression using generative modelling.

MCKINSEY & COMPANY | Business Analyst Intern

July 2016 - September 2016 | Warsaw, Poland

- Worked on public sector and electric power industry projects.

OPENTABLE | Software Development Engineering Intern

June 2015 - August 2015 | San Francisco, USA

- Created a production-ready search microservice using Java Spring framework and Elasticsearch engine.

UNIVERSITY OF EDINBURGH | Research Assistant

September 2015 - April 2016 | Masters dissertation | Prof. Paul Palmer

- Investigated spatio-temporal crime patterns based on public police data.

June 2014 - July 2014 | Summer placement | Dr Bartłomiej Waclaw

- Investigated evolutionary fitness landscape of metabolic pathways.

COMMUNITY WORK

ML IN PL | Organizer

September 2018 - present | Warsaw, Poland

- Co-organizing a conference fostering local ML research community.
- Organizing meetups at the top ML conferences.

OXFORD AI SOCIETY | Education Officer

June 2018 - May 2019 | Oxford, UK

- Led two free introductory ML courses based on open resources.

POLONIUM FOUNDATION | Member

April 2016 - present | Warsaw, Poland

- Co-founded an NGO fostering Polish research diaspora engagement.
- Co-organized three conferences devoted to integrating Polish community.