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
Simulator-based inference
Probability density/mass estimation
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; INNF@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. Sautiére, 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 Bartlomiej 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
- Cofounded an NGO fostering Polish research diaspora engagement.
- Co-organized three conferences devoted to integrating Polish community.