Adam Golinski

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EDUCATION

UNIVERSITY OF OXFORD
PhD in Machine Learning
2016 - 2020

UNIVERSITY OF EDINBURGH
MPhys Computational Physics
2012 - 2016
First class honours
Direct entry to the 2nd year of study
Awards
2016, 2014 Class Medals
2013 Certificate of Merit

UC BERKELEY
Physics and Computer Science
Year Abroad 2014 - 2015

HIGH SCHOOL
2009 - 2012 | Lublin, Poland
International Baccalaureate

COURSEWORK

Machine Learning Summer School
Buenos Aires, 2018

GRADUATE
Social & Technological Networks
Machine Learning
Probabilistic Modelling & Reasoning
Robotics: Science & Systems
Sensorimotor Control

UNDERGRADUATE
Data Structures
Computer Architecture
Algebra & Calculus
Statistical Physics
Fourier Analysis & Statistics
Numerical ODEs & Applications
Quantum Information Science
Quantum Mechanics

TECHNOLOGIES

Python   PyTorch   TensorFlow
NumPy   Matplotlib   Pandas
Java   MATLAB   Clojure

LINKS

github.com/talesa
twitter.com/adam_golinski
linkedin.com/in/adamgol
adamgol.me

RESEARCH EXPERIENCE

UNIVERSITY OF OXFORD
July 2017 - present | Dr Tom Rainforth, Prof. Frank Wood, Prof. Yeh Whye Teh
• Focusing on probabilistic programming, inference and generative modelling.

[1] A. Goliński, M. Lezcano-Casado, and T. Rainforth. Improving Sylvester Normalizing Flows via Orthogonal Parameterizations. *ICML Workshop on Invertible Neural Nets and Normalizing Flows*, 2019.

[2] A. Goliński, F. Wood, and T. Rainforth. Amortized Monte Carlo Integration. *Proceedings of the International Conference on Machine Learning (ICML)*, 2019.

[3] 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. *Advances in Neural Information Processing Systems (NeurIPS)*, 2018.

UNIVERSITY OF EDINBURGH
September 2015 - April 2016 | Prof. Paul Palmer | Masters dissertation
• Investigated spatio-temporal crime patterns based on public police data.

June 2014 - July 2014 | Dr Bartlomiej Waclaw | Research project
• Investigated evolutionary fitness landscape of metabolic pathways.

INDUSTRY EXPERIENCE

MCKINSEY & COMPANY | Business Analyst Intern
July 2016 - September 2016 | Warsaw, Poland
• Worked on public sector and electric power industry projects.

OPENTABLE | Software Development Engineer Intern
June 2015 - August 2015 | San Francisco, USA
• Created a production-ready search microservice using Java Spring framework and Elasticsearch engine.

EXTRACURRICULAR PROJECTS

OXFORD AI SOCIETY | Education Officer
June 2018 - present | Oxford, UK
• Lead several free introductory ML courses based on open resources.

PL IN ML | Organizer
September 2018 - present | Warsaw, Poland
• Co-organizing a conference fostering Polish ML research community.
• Organizing Polish meetups at the top ML conferences.

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.

LABIFY | Cofounder & Developer
November 2013 - August 2015 | Edinburgh, UK & Austin, USA
• Small venture designing science education data-acquisition equipment.
• Obtained a provisional patent for the modular hardware design in the USA.
• Won $150k NSF Small Business Innovation Research grant.