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, Y. W. Teh, F. Wood, and T. Rainforth. Amortized Monte Carlo Integration. In *UAI Workshop on Uncertainty in Deep Learning*, 2018.

[2] 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. In *Advances in Neural Information Processing Systems*, 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 | Technology & Education Officer
June 2018 - present | Oxford, UK

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, TX
• Designing science education data-acquisition equipment and software.
• Obtained a provisional patent for the modular hardware design in the USA.
• Won $150k NSF Small Business Innovation Research grant.

YOLUNCH.ME
November 2014 | New Haven, CT
• Led a team of 4 (Berkeley, Penn State, Amherst) to develop a one-to-many communication application during a 36 hours hackathon at Yale University.
• Used Yo, Facebook, MongoDB APIs and Python Flask backend.

BIO-INSPIRED ROBOT
February 2014 | Edinburgh, UK
• Developed wireless remote control system to be used with xbox360 pad.
• Programmed the microcontroller to avoid inrush current in the motors.
• Set up wireless transfer of the robot's vision to the operator's screen.