

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

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

Java Python TensorFlow

NumPy Matplotlib Pandas

C/C++ MATLAB Git

LINKS

[linkedin.com/in/adamgol](https://www.linkedin.com/in/adamgol)

github.com/talesa

adamgol.me

RESEARCH EXPERIENCE

UNIVERSITY OF OXFORD

July 2017 - September 2017 | Prof. Frank Wood

- Building a transpiler between 2 probabilistic languages: BUGS to FOPPL.
- Using Clojure, Java and ANTLR.

March 2017 - June 2017 | Prof. Andrew Zisserman

- 2D to 3D human pose estimation using neural networks in TensorFlow.
- Built a custom TensorFlow layer for the computation of forward kinematics.

UNIVERSITY OF EDINBURGH

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

- Investigated spatio-temporal crime patterns based on public police data.
- Visualised data on interactive maps for data exploration.

June 2014 - July 2014 | Dr Bartlomiej Waclaw

- Won summer student scheme bursary for research in evolutionary biology.
- Generated a graph model of fitness landscape based on pathway's flux.

INDUSTRY EXPERIENCE

MCKINSEY & COMPANY | Business Analyst

July 2016 - September 2016 | Warsaw, Poland

- Worked on public sector and electric power industry projects.

OPENTABLE | Software Development Engineer

June 2015 - August 2015 | San Francisco, USA

- Created a production-ready search microservice using Java Spring framework and Elasticsearch engine.
- Built trending dish detection by analysing the text of restaurant reviews.

EXTRACURRICULAR PROJECTS

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 NSF Small Business Innovation Research grant for development.

POLONIUM FOUNDATION | Member of the Advisory Board

April 2016 - Present | Warsaw, Poland

- Cofounded a NGO devoted to integrating Polish research community.

SCIENCE: POLISH PERSPECTIVES | IT Officer

April 2014 - November 2015 | Oxford & Cambridge, UK

- Coorganised a conference, supervised the registration process.

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.