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Adam R. Kosiorek

Education	**DPhil in Information Engineering**	10.2016 - 10.2019 (planned)
	University of Oxford, Oxford Robotics Institute & Department of Statistics	
	Supervisor: Prof. Ingmar Posner and Prof. Yee Whye Teh	
	Google DeepMind Scholarship	
	M.Sc. in Computational Science & Engineering	10.2014 - 09.2016
	Technische Universität München, Faculty of Informatics	
	Thesis: Representation Learning for Movement Data	
	GPA: 1.2 (1.0 is the highest possible)	
	Bachelor of Engineering in Robotics	10.2010 - 02.2014
	Warsaw University of Technology, Faculty of Mechatronics, Warsaw, Poland	
	Thesis: 3D Point Cloud Classification with the Bag of Words method	
	Summa Cum Laude, GPA 4.75/5	
	European-Korean Leadership Alliance Exchange Programme	02 - 07.2012
	Kumoh National Institute of Technology, Gumi, South Korea	

Experience	Research Intern **Google DeepMind, London, UK**	06 – 10.2018
	• Research on generative models supervised by Danilo J. Rezende	
	Software Engineering Intern **Bloomberg LP, London, UK**	08 – 10.2015
	• Developed a machine learning solution for fraud detection in financial transactions	
	Junior Software Engineer **Samsung R&D, Warsaw, Poland**	06.2013 – 07.2014
	• Image classification research: Bag of Words and Deep Learning	
	• Maintaining build systems (CMake) and Git repository	
	Working Student - **IBM Poland, Warsaw, Poland**	01.2013 - 06.2013
	• VBA macros for Enterprise Architect-MS Office data migration	
	• Analysis – formal requirements, test scenarios	
	• Java EE server side app	
	Intern - **Faurecia R&D Center Ltd., FEA department, Grójec, Poland**	09.2012
	• A tool in VBA for FEA experiments data analysis.	
	Intern - **Kumoh National Institute of Technology, South Korea**	03 - 06.2012
	• Research on mechanical properties of a polymer-nanotube composite.	
	• dynamic mechanical analysis and tensile test, MATLAB post processing	
	Photojournalist - **Edytor Ltd, Olsztyn, Poland**	05 - 09.2010
	• Photographing day-to-day events for a local newspaper "Gazeta Olsztyńska"	

Courses & Workshops	*Traction Europe Workshop* ***The Boston Consulting Group***	*10.2012*
	A strategic consulting workshop held in Paris, France.	
	Massive Open Online Courses	
	• *Unsupervised Feature Learning and Deep Learning (Stanford)*	
	• *Statistical Learning (Stanford)*	
	• *Machine Learning (Coursera)*	
	• *Heterogeneous Parallel Programming (Coursera)*	
	• *Mathematical Biostatistics Bootcamp 1 & 2 (Coursera)*	

Conducted Workshops	**Introduction to Neural Networks** Talk at the Munich Machine Learning Meetup @ Stylight	02.2015
	GIT Workshop For CSE Students at Technische Universität München.	12.2014
	2x Deep Learning Introductory Workshop For Robotics Students at Warsaw University of Technology and for Samsung employees.	12.2013

Achievements	DAAD Scholarship for Master Studies in Germany	2014
	University President Scholarship for Academic Achievements	2010 - 2013
	Highest GPA from all 1st, 2nd and 3rd year faculty students	2010 – 2013
	Matura exams: 100% Math & 92% Physics (Extended Levels)	2010

Projects	**Augmented Reality for Oculus Rift** Render environment from an on-line SLAM algorithm and allow the user to modify it.	Research Project

Introspective Capacity of Neural Networks   Research Project
- Investigating whether a neural network can be jointly trained for classification and output uncertainty estimation.

Deep Variational Model for Image Segmentation   Research Project
- Efficient C++ implementation of "A deep variational model for image segmentation" by by René Ranftl and Thomas Pock.

CMake Build System for BVLC/Caffe   Open-source Contribution
- Enabled cross-platform building and configuration by replacing Makefiles
- Added script for Travis-CI continuous integration with CMake builds

Language Skills	Polish (native), English (excellent), German (intermediate)

Research	Deep Learning for Computer Vision, Recurrent Neural Networks, Machine *Interests* Learning, High Performance Computing

General	*Gymnastics & Calisthenics,* Running (34th Warsaw Marathon; 5th Silesia half *Interests* marathon), reading (Grisham; Tolkien), programming, entrepreneurship.