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Adam Kosiorek

Education

DPhil in Information Engineering since 10.2016
University of Oxford, Mobile Robotics Group
Supervisor: Prof. Ingmar Posner
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
supervised by prof. Patrick van der Smagt and prof. Daniel Cremers
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

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 analysis of Finite Element Methods experiments.

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 02.2015
Talk at the Munich Machine Learning Meetup @ Stylight

GIT Workshop 12.2014
For CSE Students at Technische Universität München.

2x Deep Learning Introductory Workshop 12.2013
For Robotics Students at Warsaw University of Technology and for Samsung employees.

Achievements

Oxford-DeepMind scholarship for PhD in Information Engineering	2016
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

Variational Autoencoders for Motion Estimation Master Thesis
- Prediction of human motion-capture data with recurrent VAEs, supervised by prof. Patrick van der Smart and prof. Daniel Cremers @ Technical University of Munich

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

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)

Interests

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

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