Phillip Swazinna

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Education

Technical University of Munich **Munich, Germany**
PhD Candidate in Deep Multi Task Reinforcement Learning *Since April 2019*
M.Sc. Informatics *October 2016 – November 2018*
* Graduated with High Distinction (Top 10% of Students)
* Cumulative GPA: 1,2 (3.9) / Master's Thesis Grade: 1,0 (4.0)
* Master's Thesis: Weakly Supervised Deep Learning for Diffusion MRI Brain Scans
* Relevant Coursework: Introduction to Deep Learning, Machine Learning, Mining Massive Datasets, Introduction to Artificial Intelligence, Deep Learning for Biomedical Applications

Télécom Paristech **Paris, France**
Exchange Semester GPA: 1,4 (3.8) *August 2017 – January 2018*

Technical University of Dortmund **Dortmund, Germany**
B.Sc. Informatics *October 2013 – September 2016*
* Cumulative GPA: 1,7 (3.6) / Bachelor's Thesis Grade: 1,3 (3.8)
* Bachelor's Thesis: Modeling Publication View-Counts Using Phase-Type Distributions
* Relevant Coursework: Advanced Topics in Algorithms, Scalable and Cloud Computing, Information Systems, Organization & Management

University of Pennsylvania **Philadelphia, USA**
Exchange Semester GPA: 4.0 *August 2015 – December 2015*

Work Experience

Siemens AG **Munich, Germany**
PhD Candidate in Deep Multi Task Reinforcement Learning *Since April 2019*
Working Student – Learning Systems Group *June 2018 – November 2018*
* Execution & evaluation of Deep Learning experiments with Python, TensorFlow & Keras
* Implementation & test of CNN-based hierarchical classifiers for Medical Image Classification
* Test of new bottleneck methods to reduce the amount of parameters needed in models
* Evaluation of recently published research results in the area of Deep Anomaly Detection

Materna Information & Communications SE **Dortmund, Germany**
Software Engineering Intern *February 2017 – April 2017*
* Development of chat bot applications with IBM Bluemix / Microsoft Azure / node.js

Technical University of Dortmund **Dortmund, Germany**
Teaching Assistant *September 2014 – August 2016*
* Data Structures, Algorithms & Programming 2; Information Systems; Computer Structures
* Grading assignments; explaining solutions in class; helping with assignments in office hours

Skills

Programming / Tech:	Proficient in Python (NumPy, SciPy, etc), especially for Data Science / Deep Learning (PyTorch / Tensorflow + Keras). Course Project Experience in Java, Hadoop & Amazon AWS. Basics in many more.
Languages:	German (native), English (C2, TOEFL score 115/120), French (B2)

Publications

Golkov et al. 2018	q-Space Deep Learning for Alzheimer's Disease Diagnosis: Global Prediction and Weakly- Supervised Localization (ISMRM 2018)
Swazinna et al. 2019	Negative-Unlabeled Learning for Diffusion MRI (ISMRM 2019)