Simon Meister

✉ mail@simonmeister.org
⌐ simonmeister.org
simonmeister

Research Interests

Deep Reinforcement Learning

My primary research goal is building intelligent systems to learn and act in complex environments. To this end, i am interested in deep reinforcement learning. Currently, i am working on deep reinforcement learning for challenging video games (e.g. StarCraft II) at the Autonomous Systems Labs, TU Darmstadt.

Deep Learning

I am broadly interested in deep learning foundations and applications. Thus far, i have worked on end-to-end deep learning for computer vision, particularly for motion estimation [1] and object detection.

Education

2014–Present	**B.Sc., Computer Science**, *Technische Universität Darmstadt*, Germany.
	Expected graduation: March 2018

Publications

Peer-Reviewed Conference Papers

[1] S. Meister, J. Hur, and S. Roth. UnFlow: Unsupervised Learning of Optical Flow with a Bidirectional Census Loss . In *AAAI Conference on Artificial Intelligence (AAAI)*, New Orleans, Louisiana, Feb. 2018. **Oral presentation**. GitHub.

Bachelor thesis

title	Motion R-CNN: Instance-level 3D Motion Estimation with Region-based CNNs
supervisors	Professor Stefan Roth & M.Sc. Junhwa Hur

Honors & Awards

2013	**Christian Ernst Neeff**-Preis, *Physikalischer Verein Frankfurt*.
	Awarded for work on massively parallel physics simulation conducted during the "Jugend forscht" youth science competition (national level).

Technical Experience

Advanced	Python, NumPy, C, C++, TensorFlow, PyTorch, Linux, Git, JavaScript
Intermediate	LaTeX, CUDA, OpenGL, Matlab, Java, Clojure

Biographic Information

Languages	English (fluent), German (native)

Formative Courses

Technische Universität Darmstadt

Grading scheme: 1.0 (best) – 4.0 (pass)

Statistical Machine Learning (1.0), Computer Vision 1 (1.0), Project Lab Deep Learning for Computer Vision (1.0), Deep Learning for Natural Language Processing (1.7), Robot Learning (ongoing), Integrated Project Robot Learning (ongoing)

Online

Machine Learning, *Andrew Ng*, Stanford University.