Simon Meister

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 simonmeister

Education

2020–2021	**M.Sc., Visual Computing**, *Technische Universität Darmstadt*, Germany. Starting in April 2020
2014–2018	**B.Sc., Computer Science**, *Technische Universität Darmstadt*, Germany, 1.4.

Experience

Professional

2018–2020	**Founder & CEO**, *Vality GmbH*, Germany. Led design of virtual and augmented reality hardware, computer vision algorithms and platform software. Also responsible for fundraising, partnerships and hiring.

Miscellaneous

2020–Now	**Independent Researcher**, Germany. Incremental learning in deep networks, unsupervised and local learning rules, cognitive architectures. *Work in progress*.

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**. Code.

Theses

Bachelor

2018	**Motion R-CNN: Instance-level 3D Motion Estimation with Region-based CNNs**, Code, 1.0.
	Supervised by Professor Stefan Roth & M.Sc. Junhwa Hur

Projects

2018	**Deep Reinforcement Learning for StarCraft II**, Code.
	Supervised by M.Sc. Filipe Veiga & Professor Jan Peters
2017	**Monocular depth prediction with PyTorch**, Code.
	Supervised by M.Sc. Jochen Gast

Honors & Awards

2019 **Best Paper Award**, *Fraunhofer IGD*, €3000.

"Impact on Science" category, awarded for "UnFlow" paper.

2013 **Christian Ernst Neeff-Preis**, *Physikalischer Verein Frankfurt*, €1000.

Awarded for work on massively parallel physics simulation conducted during the "Jugend forscht" youth science competition (national level).

Technical Experience

Advanced Python, C, C++, TensorFlow, PyTorch, Linux, Git, JavaScript, C#

Intermediate LaTeX, NumPy, CUDA, OpenGL, Matlab, Java, Clojure

Biographic Information

Citizenship German

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), Integrated Project Robot Learning (1.0)