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## Understanding deep meta-learning

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# Curriculum Vitae

## Education

### **Leiden University**

Doctor of Philosophy (PhD) in Computer Science,  
Dissertation: Understanding Deep Meta-Learning

*March 2021 - August 2023*

### **Leiden University**

Master of Computer Science: Data Science, *Summa Cum Laude*  
Thesis: Revisiting Learned Optimizers in Few-Shot Settings

*September 2019 - February 2021*

### **Utrecht University**

Bachelor of Science in Artificial Intelligence, *Cum Laude*  
Thesis: Machine Learning in the Fight against Internet Toxicity

*September 2016 - July 2019*

### **University of Applied Sciences Leiden**

First-year diploma Computer Science

*September 2015 - July 2016*



# List of publications

- Huisman, M., Moerland, T. M., Plaat, A., & van Rijn, J. N. (2023). Are LSTMs good few-shot learners? *Machine Learning*, 112, 4635–4662. Springer.
- Huisman, M., Plaat, A. & van Rijn, J. N. (2023). Subspace Adaptation Prior for Few-Shot Learning. *Machine Learning*. Springer.
- Huisman, M., van Rijn, J. N., & Plaat, A. (2023). Understanding Transfer Learning and Gradient-Based Meta-Learning Techniques. Accepted for publication in *Machine Learning*. Springer.
- Ullah, I., Carrión-Ojeda, D., Escalera, S., Guyon, I., Huisman, M., Mohr, F., ... & Vu, P. A. (2022). Meta-album: Multi-domain meta-dataset for few-shot image classification. *Advances in Neural Information Processing Systems*, 35, 3232-3247.
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- Huisman, M., Plaat, A. & van Rijn, J. N. (2021). A preliminary study on the feature representations of transfer learning and gradient-based meta-learning techniques. In *Fifth Workshop on Meta-Learning at the Conference on Neural Information Processing Systems*.
- Huisman, M., Plaat, A., & van Rijn, J. N. (2022). Stateless neural meta-learning using second-order gradients. *Machine Learning*, 111(9), 3227-3244. Springer.
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