Matthias Wright
Curriculum Vitae

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Education

12/2019 – Present	**Doctor of Philosophy (in progress)** Computer Vision / Deep Learning Supervised by Prof. Björn Ommer *Heidelberg University* Heidelberg, Germany
10/2018 – 09/2019	**Master of Science** Machine Learning and Autonomous Systems Grade: Distinction *University of Bath* Bath, United Kingdom
09/2015 – 08/2018	**Bachelor of Science** Applied Mathematics and Computer Science *Aachen University of Applied Sciences* Aachen, Germany
09/2015 – 08/2018	**Vocational Training Certificate** Software Developer *Chamber of Commerce and Industry* Aachen, Germany

Work Experience

RWTH Aachen University   Aachen, Germany
Software Developer   Sep 2015 – Aug 2018

- Worked 20 hours per week during the semester and full-time during semester breaks
- Worked mostly on web applications (Java)

Projects

A Siamese Architecture for Neural Style Transfer
Master's Thesis   May 2019 – Sep 2019

- Developed a style transfer model similar to CycleGAN (Zhu et al., 2017)
- Implemented with Python and PyTorch (more details on my homepage)

Detecting Abnormalities in Clinical Data with GANs
Bachelor's Thesis   Apr 2018 – Aug 2018

- Used a GAN to detect cardiac arrhythmia in ECG recordings by only training on normal ECG recordings
- Implemented with Python and TensorFlow (more details on my homepage)

Programming Languages

Proficient	Java, Python
Elementary	C++

Frameworks/Technologies

Intermediate	PyTorch, NumPy, LaTeX
Elementary	TensorFlow, SQL, Git

Languages

Native	German
Fluent	English
Elementary	French

Relevant Coursework

Postgraduate
- Machine Learning 1
- Machine Learning 2
- Bayesian Machine Learning
- Statistics

Undergraduate
- Linear Algebra
- Probability and Statistics
- Machine Learning
- Algorithms and Data Structures
- Programming
- Calculus