Matthias Wright
Curriculum Vitae

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Education

10/2018 – 09/2019	**Machine Learning and Autonomous Systems** Master of Science (Graduating in September) Current Average: 80.3 % UK Grade (Distinction) *University of Bath*, United Kingdom
09/2015 – 08/2018	**Applied Mathematics and Computer Science** Bachelor of Science *Aachen University of Applied Sciences*, Germany
09/2015 – 08/2018	**CCI-Certified Software Developer**[1] RWTH Aachen University
08/2002 – 06/2015	**A-levels (High School Diploma/Abitur)** Rudolf Steiner School Aachen (Waldorf School)

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

Neural Style Transfer with Deep Learning (Working Title)
Master's Thesis   May 2019 – Present

- 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

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[1] I completed a degree apprenticeship program called MATSE offered jointly by RWTH Aachen University, Aachen University of Applied Sciences, and the Chamber of Commerce and Industry, Aachen. As part of this program, I completed a bachelor's degree program in Applied Mathematics and Computer Science at Aachen University of Applied Sciences and a CCI-certified vocational training program in Software Development at RWTH Aachen while working as a junior software developer at the Department of Medical Informatics at RWTH Aachen. More information is available here: http://bit.ly/degree-program