



Anna-Lena Popkes

Machine learning can seem like magic. I love magic!

Education

- 2015-present **Master of Science (Computer Science)**, *University of Bonn*, Bonn, Germany,
Grade 1.0/GPA: 4.00.
Focus area: intelligent systems
- 2012-2015 **Bachelor of Science (Cognitive Science)**, *University of Osnabrück*, Osnabrück,
Germany, Grade 1.1/GPA: 4.00.

Experience

- 09/2016-present **Research Assistant**, *Fraunhofer Institute for Intelligent Analysis and Information Systems (IAIS)*, Bonn, Germany.
Research and industrial projects on machine learning, especially neural networks and reinforcement learning
- 08/2016 **Lecturer**, *University of Osnabrück*, Osnabrück.
Lecturer for the block course "representation learning with feedforward neural networks".
Organization, preparation and conduction of the course.
- 03/2014-03/2015 **Assistant**, *RSM Germany*, Düsseldorf, Germany.
Development of the career website of RSM Germany including conceptualization, composition and formatting
- 08/2014-11/2014 **Research assistant**, *Harvard University*, Cambridge, United States.
Research assistant at Prof. Nadine Gaab's laboratory for developmental cognitive neuroscience. Investigation of perceptual, cognitive and brain development in typically developing infants and children, as well as children diagnosed with or at risk for various developmental disorders.

Voluntary Work

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📱 [zotroneneis](#) • **in** [anna-lena-popkes](#)

2014-2015 **Balu und Du.**

Prevention project for deprived children. Involves a sponsorship for a child between 7 to 10 years for at least a year. During this year, there are weekly meetings of at least three hours with the child, an accompanying weekly seminar at the university as well as detailed online-diary entries for every meeting.

Computer Literacy

Programming languages Python, TensorFlow, basic knowledge in Matlab and Java

Research Projects

- 1) LSTM-RNN for modeling radiological reports
- 2) Machine learning basics
- 3) Recurrent Neural Networks for music generation
- 4) Variational Autoencoder for digit generation

Course Work

Graduate courses.

machine learning, deep learning, knowledge graph analysis, artificial life, usable security and privacy, cryptography

Undergraduate courses.

philosophy of mind, several other philosophical courses (e.g. on free will), neurobiology, cognitive neuropsychology, neuroinformatics, intro to machine learning, computational linguistic, logic, cognitive science, action and cognition

Further courses.

single variable calculus (MIT Open Course Ware)

Scholarships and Awards

01/2016-present **Scholarship**, *Studienstiftung des deutschen Volkes.*
(German National Academic Foundation)

08/2014-11/2014 **Scholarship**, *German Academic Exchange Service.*
Scholarship for semester abroad at Harvard University

2012 **Cambridge Certificate of Advanced English**, *Cambridge University.*

Languages

German Native proficiency
English Fluent, near-native at speaking and writing
French Moderate knowledge

Passions

Thaiboxing, Saxophone, Meditation, Harry Potter

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