Anna-Lena Popkes

Machine learning can seem like magic. I love magic!

Education

2015-2018 **Master of Science (Computer Science)**, *University of Bonn*, Bonn, Germany.
Grade 1.0/GPA: 4.00

2012-2015 **Bachelor of Science (Cognitive Science)**, *University of Osnabrück*, Osnabrück, Germany.
Grade 1.1/GPA: 4.00

Experience

01/2020- **Machine Learning Engineer**, *inovex*, Cologne, Germany.
today

09/2018 - **Artificial Intelligence Resident**, *Microsoft Research*, Cambridge, UK.
10/2019 Working as a research engineer on projects focused on applying machine learning and deep learning algorithms to real-world problems and data. First project focused on the application of Bayesian Neural Networks to health care data, Link to paper. Second project focused on the task of automatically documenting API's using recurrent neural networks.

05/2018- **Deep Learning Intern**, *Bosch Center for Artificial Intelligence*, Palo Alto, USA.
08/2018 Deep learning projects, focused on applications of convolutional neural networks for object detection and recognition.

09/2016- **Machine Learning Research Assistant**, *Fraunhofer Institute for Intelligent Analysis and*
05/2018 *Information Systems (IAIS)*, Bonn, Germany.
Research and industrial projects on machine learning, especially neural networks and reinforcement learning.

08/2014- **Research assistant**, *Harvard University*, Cambridge, USA.
11/2014 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

May 2019 - **KI macht Schule**.
today KI macht Schule is teaching artificial intelligence and machine learning in German schools to educate younger students on the topic. Project website

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, PyTorch, Bash, Terraform, basic knowledge in Matlab and C#
Certifications	Certified Google Cloud Engineer
Other	Docker, Git, cloud computing

Selected Personal Projects

ML Basics	Plain Python implementations of basic machine learning algorithms (Link to project)
Magical Universe	Advanced Python features explained using the world of magic (Link to project)
LSTM-RNN	Modeling radiological reports with LSTM Recurrent Neural Networks (Link to project)

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, Meditation, Reading, Baking