Moritz Plenz

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EDUCATION

University of Heidelberg *September 2016 – December 2021*
Master in Physics (focus on Machine Learning and Graph Neural Networks) preliminary GPA: 1.0
Bachelor in Physics GPA: 1.8

Friedrich-Ebert-Gymnasium, Sandhausen *September 2008 – June 2016*
Completed with International Abitur Baden-Württemberg GPA: 1.8
Bilingual (German and English)

RESEARCH EXPERIENCE

Doctoral Student in Computational Linguistics *April 2022 – present*
I study Argument Knowledge Graphs under the supervision of Prof. Dr. Anette Frank at University of Heidelberg.

Tutor for lecture Fundamentals of Machine Learning *October 2020 – March 2021*
Assisted in teaching and grading the students

HiWi job at Max Planck Institute for Astronomy *December 2019 – October 2021*
Estimated non-common path aberrations in LINC-NIRVANA (an imaging instrument in a telescope) using the phase diversity code which I developed during my Bachelor's Thesis

Internship at Max Planck Institute for Astronomy *September 2016*
Planned, executed and analyzed experiments on vignetting and Bayer filter effects for the development of the All-Sky camera (a fisheye lens camera assisting astronomical observations)

Internship at German Cancer Research Center (DKFZ) *February 2014*
Executed and analyzed biological experiments on cell-growth

WORK EXPERIENCE

Volunteer in SG Nußloch e.V. Abt. Judo (Judo sports club) *April 2017 – Present*
Judo trainer for age group 8-16
Kassenwart and Jugendkassenwart (Managing finances and accounting for both the general running of the club and the youth group)

Internship at Heidelberger Druckmaschinen AG *July 2016*
Gained insight on job perspectives for experimental and theoretical Physicists in the industry

Internship at AWO-Lädle Sandhausen *March 2015*
Assisted in local food aid redistribution

SKILLS

Fluent in English and German
Python
including PyTorch, PyTorch Geometric and NumPy
C++
LaTeX
Maple (software for symbolic and numerical computations)