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)   GPA: 1.3
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

PhD candidate in Computational Linguistics at Heidelberg University   *April 2022 – present*
Under the supervision of Prof. Dr. Anette Frank, I study knowledge graphs for argumentation. My interests range from developing to applying methods for using and constructing knowledge graphs.

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

Publications https://www.cl.uni-heidelberg.de/nlpgroup/person/plenz#publications

WORK EXPERIENCE

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