

MORITZ PLENZ

plenz@cl.uni-heidelberg.de

EDUCATION

Heidelberg University	<i>September 2016 – December 2021</i>
Master in Physics (focus on Machine Learning and Graph Neural Networks)	GPA: 1.3
Bachelor in Physics	GPA: 1.8
Friedrich-Ebert-Gymnasium, Sandhausen	<i>September 2008 – June 2016</i>
Completed with International Abitur Baden-Württemberg	GPA: 1.8
· Bilingual (German and English)	

RESEARCH EXPERIENCE

PhD candidate in Computational Linguistics at Heidelberg University	<i>April 2022 – present</i>
With my supervisor Prof. Dr. Anette Frank, we study Knowledge Graphs and Language Models. Besides my research I also give lectures for students and lead seminars.	
Tutor for lecture Fundamentals of Machine Learning	<i>October 2020 – March 2021</i>
Assisted in teaching and grading the students	
HiWi job at Max Planck Institute for Astronomy	<i>December 2019 – October 2021</i>
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	<i>September 2016</i>
Planned, executed and analyzed experiments on vignetting and Bayer filter effects	
Internship at German Cancer Research Center (DKFZ)	<i>February 2014</i>
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)	<i>April 2017 – present</i>
Head of Judo Department (Overseeing and organizing operations, planning, member coordination; since 2025) Treasurer (Managed finances and accounting; until 2025) Judo trainer for age group 6-20	
Internship at Heidelberger Druckmaschinen AG	<i>July 2016</i>
Gained insight on job perspectives for experimental and theoretical Physicists in the industry	
Internship at AWO-Lädle Sandhausen	<i>March 2015</i>
Assisted in local food aid redistribution	

SKILLS

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