Thimo Preis

Personal Details

Place and Date of Birth:	Hamburg | 23 March 1996
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Education

March 2019- exp. March 2022	M.Sc. Physics (currently 1.2), Heidelberg University, Germany.
Sep. 2019-Sep. 2020	M.Sc. Particles, Strings, and Cosmology, (1st class with distinction) Durham University, UK. M.Sc. thesis title: ' Machine Learning for Reflectance Spectra of Forests ' (Employing PC-GAN and DBM)
July-August 2018	Summer school ("Yale Summer Sessions") (AA), Yale University
Oct. 2015 - January 2019	B.Sc., Physics, Heidelberg University, Germany. Title of Bachelor thesis: ' Perturbative treatment of the cosmic density-fluctuation power spectrum in the Zel'dovich approximation ', Defence and thesis itself awarded with distinction (1.0)
July 2015	Abitur (A-levels), Rudolf Steiner School, Hamburg (with distinction)
Oct. 2011-Feb. 2012	Visiting student at University of Hamburg for the semester 2011/2012, studied Theoretical Physics I, Experimental Physics I and Astronomy I

Internships

July-August 2018	Internship at the Astronomy Department of Yale University, under the supervision of Frank C. van den Bosch, 'Probing the spherical Jeans equations with numerical dark matter simulations'
Aug.-Sept. 2017	Internship at Institute of Theoretical Astrophysics Heidelberg, under supervision of Matthias Bartelmann, 'Correlation distribution function in Kinetic Field Theory '
October 2014	Holiday course at the Faculty of Chemistry, University Hamburg
Jan-Mar 2012	Internship at Deutsches Elektronen-Synchrotron (DESY), designed and created a 'Multifilament coil for a moving wire system' at European XFEL, later used in laboratory at Shanghai University

Scholarships and awards

2015 - expected 2022	Full Scholarship by Studienstiftung des Deutschen Volkes (German Academic Scholarship Foundation)
July-August 2018	Scholarship by Banco Santander via Heidelberg University to attend Yale Summer Sessions 2018 at Yale University
July 2015	Abitur (A-levels) award of the Deutsche Physikalische Gesellschaft (German Physical Society)

Technical skills

Languages	German (native), English (fluent), French (basic), Spanish (basic)
Programming Languages, Tools	Python with data science stack: Jupyter Notebook, NumPy, SciPy, Pandas, PyTorch, scikit-learn, TensorFlow, Keras with TensorFlow. Furthermore C++, LaTeX, Git, Bash, LabView
Systems (user)	Linux, Windows