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.
September 2019 - September 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)
October. 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 - August 2018	Summer school ("Yale Summer Sessions") (AA), **Yale University**
July 2015	Abitur (A-levels), **Rudolf Steiner School**, Hamburg (with distinction)
October 2011 - February 2012	Visiting student at **University of Hamburg**, B.Sc. physics.

Additional academic activities

February 2020	OxFID 2020 Beyond Pledges Oxford, Oxford University
February 2020	CiQ 2020, Event on Quantum Technologies Bristol, Bristol University
November 2019	57th Meeting of the North British Mathematical Physics Seminar Durham, Durham University
September 2019	Quantum Information Theory and Geometry Krakow, Summer-Academy by German Academic Scholarship Foundation

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) • Merit-based, granted to less than 0.5% of German students • Awarded for academic excellency and outstanding contributions to society
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 (C2), 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