
Curriculum Vitae

Tobias Hochreiter

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Personal Data

born 10/10/1997 in Salzburg, Austrian citizen, father of 1

Education

(theses at github.com/tob-asco/theses)

04/2021 - 06/2023	UHH (Hamburg): M.Sc. Mathematical Physics <i>On Topological Quantum Field Theories</i>	(1.0 s.c.l.)
10/2017 - 06/2021	TUM (Munich): B.Sc. Physics <i>Physical and Geometrical Viewpoints of the KdV Equation</i>	(1.3 c.l.)
09/2011 - 05/2016	HTL Bio-engineering (Salzburg): A-levels	(1.4 s.c.l.)
09/2007 - 07/2011	Werkschulheim Felbertal	

Given Talks

01/2023	Spin Bundle and Spin Covariant Derivative	(textbook-based)
12/2022	Resurgence: Non-Perturbative Chern-Simons Theory	(research-based)
07/2022	Čech Sheaf Cohomology and Computations	(textbook-based)
06/2022	Monodromy: Levelt's Theory	(textbook-based)
12/2021	Lie Groups and their Geometry	(textbook-based)
12/2021	Characters of Verma Modules in CFT	(textbook-based)
12/2021	Mild Solution of 2d Kuramoto-Sivashinsky PDE	(research-based)
07/2021	Principal Eigenvalue for Elliptic Operators	(textbook-based)
05/2020	Skyrmionen	(research-based)

Employments

12/2023 - 03/2025	kids' bouldering guide at Boulderwelt München Ost	(10h/w)
10/2022 - 04/2023	tutor for <i>analysis 3 for physicists</i>	(4h/w)
10/2020 - 04/2021	tutor for <i>theo. physics: statistical mechanics</i>	(8h/w)
04/2020 - 10/2020	tutor for <i>theo. physics: quantum mechanics</i>	(8h/w)
10/2019 - 04/2020	tutor for <i>theo. physics: electrodynamics</i>	(8h/w)
04/2019 - 10/2019	tutor for <i>theo. physics: classical mechanics</i>	(8h/w)
12/2014 - 04/2017	electric draughtsman at IB-Krallinger	(~6h/w)
10/2013 - 07/2014	building switchboxes at AML Elektrotechnik	(~4h/w)

Misc. Occupations

since 11/2023	parental leave	
05/2017 - 08/2017	electronic engineer for circuitry at AB Mikroelektronik	(internship)
08/2016 - 04/2017	paramedic & driver at Red Cross Salzburg	(Civilian Service)
08/2014 - 09/2014	electric engineer on site at AML Elektrotechnik	(internship)
07/2013 - 08/2013	hospital in dpt. <i>medical technology</i> at SALK	(internship)

Scholarships

10/2018 - 10/2023	Max Weber-Programm	(non-material & 215€/month)
05/2021 - 05/2022	Quantum Universe Cluster of Excellence	(861€/month)

Languages

German	mother language
English	level C1 approx., from higher studies
French	level B2 from <i>DELF</i> -exam
Mathematics	mainly algebraic (e.g. category theory) but also analytic (e.g. PDEs)
C#	cf. github.com/tob-asco/seeds
L^AT_EX	author of package <code>counttherefs</code> and <code>cascade</code>
misc.	Linux, Python, XAML, HTML, VB, C++