

About me

I am a curious person with a strong interest in all questions surrounding life, in particular the genotype-phenotype relationship in organisms. I am passionate about equity and the preservation of ecological diversity.

Areas of specialization

Carbon accounting • Computational workflows • Mass Spectrometry • Machine Learning • Systems Biology

Interests

Understanding complex systems • Open source development • FAIR research

Tech & Tools



SHORT RESUMÉ

2018–2026	Bioinformatics STUDY & EMPLOYMENT · University of Tübingen  Study of various computational methods in the realm of biology, as well as general computational theory and practice, alongside limited wet-lab experiences. Employment as assistant researcher in several labs and research software engineer at QBiC.	
2014–2018	Physical therapy STUDY & EMPLOYMENT · Erlangen / Igensdorf  Apprenticeship at the state vocational school for physiotherapy in Erlangen and subsequent employment at two practices.	

DEGREES

2017	Physical therapy CERTIFIED · State vocational school for physiotherapy Erlangen 	
2022	Bioinformatics B.Sc. · University of Tübingen 	
2024	Bioinformatics M.Sc. · University of Tübingen 	

LANGUAGES

German		mother tongue
English	C1	
French	B1	

THESES

2022	<i>Investigation of Finnegoldia magna ATCC 29328 in the nasal environment</i> · Bachelor's thesis.
2024	<i>Inference of microbiome composition from flow-injection mass spectrometry data with machine learning</i> · Master's thesis.

CODE SKILLS

			
			
			

WORK

2012–2013	Surface refinement MINOR EMPLOYMENT · Mineralölhandel Pickelmann GmbH 
2012–2013	Cashier MINOR EMPLOYMENT · Rewe Carl OHG 
2013–2020	Park administration & Safety guide MINOR EMPLOYMENT · Abenteuerpark Betzenstein 
2017	Physical therapist FULL-TIME EMPLOYMENT · Reha Igensdorf 
2017–2018	Physical therapist FULL-TIME EMPLOYMENT · Physiotherapie Rudolf Gorjup 
2021–2024	Assistant researcher MINOR EMPLOYMENT · AG Vegetationsökologie  IT administration at the university working group, researching vegetation ecology in Tübingen.
2024	Assistant researcher PART-TIME · LinkLab  Analysis of mass spectrometry data and workflow integrations into computational pipelines.
2024–2026	Research software engineer FULL-TIME · Quantitative biology center (QBIC)  Development of fully integrated carbon footprint estimation scheme for Nextflow.

PRACTICAL EXPERIENCES

2010–2011	Voluntary social work MINOR · Michaelis kindergarten, Betzenstein 
2019	18. Augsburger Linux-Infotag EVENT · Augsburg 
2019–2022	Private tutoring MINOR · Tübingen  Tutoring in the field of mathematics and german as as foreign language.
2024	3. Tübinger Tag der digitalen Freiheit EVENT · Tübingen 