Curriculum Vitae - Corinna Elena Wegner

Last updated: January 2025

Ed			

Education			
October 2023 – present	M.Sc. in Physics Georg-August-University, Göttingen		
October 2019 – April 2023	B.Sc. in Physics		
·	Ludwig-Maximilians-University, Munich		
August 2010 – June 2019	Abitur, average grade 1.1		
	Robert-Bosch-Gesamtschule, Hildesheim		
Research experience			
October 2024 – present	Research assistant in the NLP group at University of Göttingen		
	 Investigation of LLM's problem solving abilities 		
May 2023 – July 2023	Research assistant in the lab of Prof. Dr. Ferenc Krausz		
	(Nobel laureate in physics 2023)		
	 Further investigation into Bachelor Thesis project, 		
	including publication writing		
	Working on a generative adversarial network to		
<u> </u>	simulate blood spectra of artificial patients		
September 2022 – March 2023	 Supervisors: Prof. Dr. Ferenc Krausz and Dr. Kosmas V. Kepesidis Title: "Denoising of blood-based infrared spectroscopic fingerprints with deep learning" Designed and trained a denoising autoencoder to preprocess spectra from blood plasma for cancer detection via machine learning 		
Publications			
Under revision	Corinna Wegner, Zita I. Zarandy, Nico Feiler, Lea Gigou, Timo Halenke, Niklas Leopold-Kerschbaumer, Maik Krusche, Weronika Skibicki, Kosmas V. Kepesidis. "Toward informative representations of blood-based infrared spectra via unsupervised deep learning", Journal of Biophotonics		
Teaching experience			
October 2024 – present	Teaching assistant,		

·	Programming for Data Scientists at University of Göttingen		
	Tutorials in data science related python		
	programming		
	 Supply lecturer (two times during the semester) 		
	 Grading of projects and oral exams 		
October 2023 – March 2024	Teaching assistant,		

Mathematical methods for physicists at the University of Göttingen

	 Tutorials on various topics in analysis, linear algebra and analytical geometry Exam preparation lectures Exam supervision and grading
September 2023	Teaching assistant,
	Physics lab course for dentistry students at the University
	of Munich
	 Supervision and grading of experiments on X-rays
January 2023 – February 2023	Ski instructor,
	Technical University of Munich
October 2022 – January 2023	Teaching assistant,
	Physics lab course for medical students at the University of
	Munich
	 Supervision and grading of various experiments
Languages	

Languages

German (native speaker)

English (proficient)

Spanish (good knowledge in writing and speaking)

IT skills

Python (expert)

MATLAB

R

JavaScript

HTML/CSS

LaTeX

Git

С

C++

Docker

High performance computing (SLURM)

Volunteer Work

November 2023 – present

Active member of physics student council at University of Göttingen

	 Website hosting Event organization Consultative student member of master selection commission
October 2021 – October 2023	Active member of physics student council at University of Munich
Summer schools attended	
September 2024	International Computational Cognitive Science Summer School, <i>Osnabrück</i>
July 2024	NeuroAl: Harnessing AI to understand computation in mind and brain, Amsterdam
March 2024	Interdisciplinary College: Resilience, Robustness, Responsibility, <i>Soest</i>