Stefan Hegselmann

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RESEARCH
INTERESTS

machine learning, medicine, large language models, natural language processing, explainable artificial intelligence, time series data, human-in-the-loop

EDUCATION

Berlin Institute of Health, Berlin, Germany — since 2024
Postdoc in Artificial Intelligence for Medicine Group
Supervisor: Prof. Roland Eils

University of Münster, Münster, Germany — 2018 – 2024
MD, Medical Studies, grade: 1.5 (very good) / magna cum laude

University of Münster, Münster, Germany — 2017 – 2024
Ph.D., Computer Science, grade: summa cum laude
Advisors: Prof. Xiaoyi Jiang and Prof. Martin Dugas

Massachusetts Institute of Technology, Boston, USA — 2022
Visiting student in the MIT Clinical Machine Learning Group
Supervisor: Prof. David Sontag

RWTH Aachen University, Aachen, Germany — 2011 – 2016
M.Sc., Computer Science, minor Mathematics, grade: 1.0 *with distinction*
B.Sc., Computer Science, minor Mathematics, grade: 1.0 *with distinction*

University of California Berkeley, Berkeley, USA — 2015
Semester abroad during master's studies

University of Gothenburg, Gothenburg, Sweden — 2013
Semester abroad during bachelor's studies

HONORS
& PRICES

German Academic Exchange Service Research Scholarship	2022
Responsibility Award of the Medical Faculty Münster	2019
German Academic Scholarship Foundation Scholarship (medical studies)	since 2018
Springorium Commemorative Coin award for graduation with honors	2016
German Academic Scholarship Foundation Scholarship (computer science)	2015 – 2016
German Academic Exchange Service PROMOS Scholarship	2015
Dean's List of top five percent of the best students in each year	2015
Schöneborn Award for outstanding graduates of the science faculty	2014
Dean's List of top five percent of the best students in each year	2013
German Academic Exchange Service Erasmus Scholarship	2013
German Physical Society High School Price	2011
Youth Researcher Science Competition, third place at state level	2011
Youth Researcher Science Competition, first place at regional level	2011

RESEARCH
EXPERIENCE

Large language models for medicine — since 2024
Advised by Prof. Roland Eils (Artificial Intelligence for Medicine Group)

Trustworthy machine learning for healthcare — since 2021
Advised by Prof. Xiaoyi Jiang (Pattern Recognition and Image Analysis Lab)

Clinical machine learning and natural language processing — 2022
Advised by Prof. David Sontag (MIT Clinical Machine Learning Group)

Interoperability and machine learning for medical data — 2016 – 2021
Advised by Prof. Martin Dugas (Institute of Medical Informatics)

Evaluated and implemented new method for speech recognition 2016
Supervised by Patrick Doetsch (HLT and Pattern Recognition Group)

Simulation of smart electricity meters 2013
Supervised by Markus Rothe (Institute for Theoretical Information Technology)

TEACHING

University of Münster

Course Lead, Computer Science II review course	2023
Course Lead, Computer Science I review course	2023, 2024
Teaching Assistant, Medical Informatics Lab	2017, 2018, 2020
Course Assistant, Seminar on mHealth	2017 – 2018
Master's Thesis Supervisor	2017, 2023
Course Assistant, Seminar on eHealth	2017

RWTH Aachen University

Teaching Assistant, Mathematical Logic	2014

SERVICE

Conferences

Publications Chair, ML4H Symposium co-located at NeurIPS	2024
Roundtable Chair, LLMs and Foundation Models, CHIL conference	2024
Publications Chair, ML4H Symposium co-located at NeurIPS	2023
Social Chair, ML4H Symposium co-located at NeurIPS	2022

Reviewing

The Conference on Health, Inference, and Learning (CHIL)	2022, 2023, 2024
International Conference on Artificial Intelligence and Statistics (AISTATS)	2022
Machine Learning for Health Workshop (ML4H) at NeurIPS	2021
Trustworthy AI for Healthcare Workshop (TAIH) at AAAI	2021
Machine Learning for Healthcare Conference (MLHC)	2021, 2022, 2023, 2024
IEEE Journal of Biomedical and Health Informatics	2020
World Congress of Medical and Health Informatics (MedInfo)	2019
Journal of Data and Information Quality	2018

LANGUAGES
& HOBBIES

German (native), English (fluent), French (intermediate), Swedish (beginner)
Road cycling, basketball, climbing, piano