Stefan Hegselmann
Albert-Schweitzer-Campus 1, Building A11
48149 Münster - Germany

stefan.hegselmann@uni-muenster.de
+49(0)251/83-58381
https://shegselmann.com

EDUCATION

University of Münster, Münster, Germany   2018 – present
Medical Studies

University of Münster, Münster, Germany   2017 – present
PhD, Medical Informatics
Advisor: Prof. Martin Dugas

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

RWTH Aachen University, Aachen, Germany   2014 – 2016
Master of Science, Computer Science with minor in Mathematics
Overall grade: 1.0 *excellent* (grades from 1.0 to 4.0)

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

RWTH Aachen University, Aachen, Germany   2011 – 2014
Bachelor of Science, Computer Science with minor in Mathematics
Overall grade: 1.0 *excellent* (grades from 1.0 to 4.0)

RESEARCH EXPERIENCE

Research Assistant, Institute of Medical Informatics, Münster   2017 – present
Working on interoperability and computer aided decision support

Student Assistant, Institute of Medical Informatics, Münster   2016 – 2017
Developed an online portal to share medical metadata

Student Assistant, Human Language Technology and Pattern Recognition Group, Aachen   2016
Implemented a component for a an automatic speech recognition system

Student Assistant, Institute for Theoretical Information Technology, Aachen   2013
Implemented a network simulation for smart meters

TEACHING EXPERIENCE

Teaching Assistant, Medical Informatics Lab, University of Münster   2017, 2018, 2020
Held three lab courses including short lectures

Seminar Assistant, Seminar on mHealth, University of Münster   2017 – 2018
Supervised a student's seminar thesis and talk

Master's Thesis Supervisor, University of Münster   2017
Main supervisor for designing topic and execution of master's thesis

Seminar Assistant, Seminar on eHealth, University of Münster 2017
Supervised a student's seminar thesis and talk

Teaching Assistant, Lecture Mathematical Logic, RWTH Aachen University 2014
Weekly lectures and evaluated students

PUBLICATIONS

**An Evaluation of the Doctor-Interpretability of Generalized Additive Models
with Interactions** 2020
S. Hegselmann, T. Volkert, H. Ohlenburg, A. Gottschalk, M. Dugas, C. Ertmer
Machine Learning for Healthcare 2020

**Semantically Annotated Metadata: Interconnecting Samply. MDR and
MDM-Portal** 2019
A. Vengadeswaran, P., S. Hegselmann, H. Storf, D. Kadioglu
64th Conference of the German Association for Medical Informatics, Biometry

**Compatible Data Models at Design Stage of Medical Information Systems:
Leveraging Related Data Elements from the MDM Portal** 2019
M. Dugas, S. Hegselmann, S. Riepenhausen, P. Neuhaus, L. Greulich, A., J. Varghese
International Medical Informatics Conference 2019

Reproducible Survival Prediction with SEER Cancer Data 2018
S. Hegselmann, L. Greulich, J. Varghese, M. Dugas
Machine Learning for Healthcare 2018

**CDEGenerator: an online platform to learn from existing data models
to build model registries** 2018
J. Varghese, M. Fujarski, S. Hegselmann, P. Neuhaus, M. Dugas
Clinical Epidemiology

A Web Service to Suggest Semantic Codes Based on the MDM-Portal 2018
S. Hegselmann, M. Storck, S. Geßner, P. Neuhaus, J. Varghese, M. Dugas
63th Conference of the German Association for Medical Informatics, Biometry
and Epidemiology

Standard based development of ODM converters: the ODMToolBox 2018
I. Soto-Rey, P. Neuhaus, P. Bruland, S. Geßner, J. Varghese, S. Hegselmann,
T. Brix, M. Dugas, M. Storck
29th Annual Medical Informatics Europe Conference

Automated Transformation of CDISC ODM to OpenClinica 2017
S. Geßner, M. Storck, S. Hegselmann, M. Dugas, I. Soto-Rey
62th Conference of the German Association for Medical Informatics,
Biometry and Epidemiology

**Automatic Conversion of Metadata from the Study of Health in
Pomerania to ODM** 2017
S. Hegselmann, S. Geßner, P. Neuhaus, J. Henke, C.O. Schmidt, M. Dugas
11th Annual Conference on Health Informatics meets eHealth

Inverted HMM - a Proof of Concept 2016
P. Doetsch, S. Hegselmann, R. Schlüter, H. Ney
30th Conference on Neural Information Processing Systems

Counting in Team Semantics 2016
E. Grädel, S. Hegselmann
25th EACSL Annual Conference on Computer Science Logic

HONORS AND AWARDS

Springorium Commemorative Coin 2016
Award for graduation with honors

Dean's List 2015
List of top five percent of the best students in each year

Schöneborn Award 2014
Award for outstanding graduates of the science faculty

Dean's List 2013
List of top five percent of the best students in each year

MISCELLANEOUS

German Academic Scholarship Foundation Scholarship 2018 – present
Scholarship for the second course of study in medicine

German Academic Scholarship Foundation Scholarship 2015 – 2016
Suggested from the science faculty of the RWTH Aachen

German Academic Exchange Service PROMOS Scholarship 2015
Scholarship for the semester abroad at the University of California, Berkeley

German Academic Exchange Service Erasmus Scholarship 2013
Scholarship for the semester abroad at the University of Gothenburg

Participation at Youth Researches, German youth science competition 2010 – 2011
First place at regional level
Third place at state level