UNIVERSITÄT BIELEFELD

Faculty of Technology

Master's Degree Certificate

Martina Sosto,

born on 28 January 1998 in Bologna (Italien),
has been awarded the academic degree of

Master of Science (M.Sc.)

with the subject:

Intelligent Systems

This degree has been awarded under the German-Italian double-degree programme Intelligent Systems, which is offered jointly by Bielefeld University and Università di Bologna.

Title of the Master's thesis:
QueerBench: Quantifying Discrimination in Language Models towards Queer

Grade for the Master's thesis: 1.0 (very good)

Final Grade: **1.0 (very good)**

Bielefeld, 17 January 2024

Signed: Prof. Dr. Markus Nebel
Dean of the Faculty of Technology

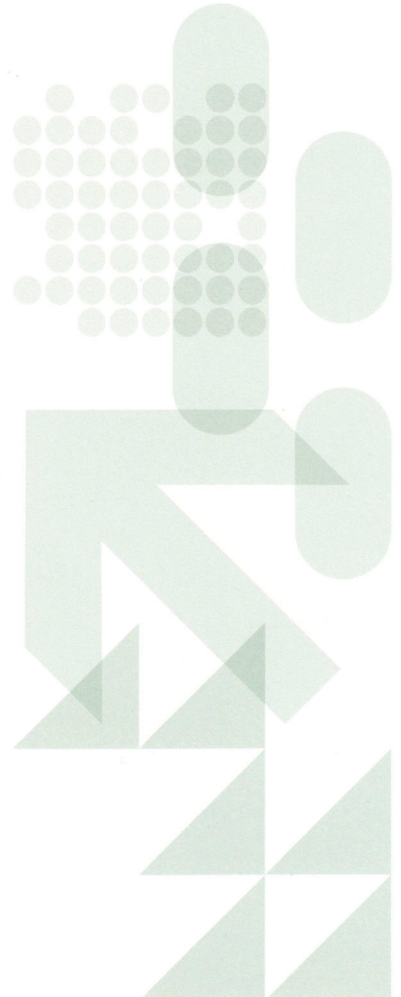Authorized English version of
the original document.

UNIVERSITÄT BIELEFELD
Technische Fakultät
Dekanat
Team Studium & Lehre
Postfach 10 01 31
33501 Bielefeld

Prüfungsamt/Examination Office

Transcript of records for Martina Sosto (matriculation number 4282344)

Intelligent Systems / Master of Science	CP: 35

FsB vom 27.07.2018 mit Änderung vom 04.06.2020

This transcript of records documents the credit points of a not yet completed course of study. It is printout from the Examinations Office of Bielefeld University. The provisional final grade is calculated based the graders received in all completed modules. All listed credit points have been verified by the Examinations Office. There is no further confirmation by the Examinations Office.

Provisional overall grade: 1,8 = good (35 of 120 LP)
28.04.2023/KM

39-M-Inf-P: Project	Grade: pass CP: 10

392209	**AI Art (WiSe 2022/2023)** project with written assignment (Mar 30, 2023) Title: *Diffusion Models*	**Pj**	**Melnik** Grade: pass

39-Inf-ML: Introduction to Machine Learning	Grade: 3.3 CP: 5

392140	**Klausur: Introduction to Machine Learning (int. Track) - 1. Termin (WiSe 2022/2023)** portfolio with final examination (Feb 14, 2023)	**Kl**	**Schulz** Grade: 3.3

39-Inf-ELSI: Ethical, Legal and Social Impacts	Grade: 3.0 CP: 5

392158	**ELSI Aspects of Data Science (WiSe 2022/2023)** oral presentation with written exploration (Mar 10, 2023) Title: *Understanding, Mitigating and Accounting for Bias in AI Systems: A review* *(siehe Mail von Herrn Eger vom 18.04.2023)*	**S+V**	**Eger** Grade: 3.0

39-M-Inf-TMKD: Text Mining and Knowledge Discovery	Grade: 1.0 CP: 10

392193	**Deep Learning for Natural Language Processing (WiSe 2022/2023)** oral presentation with written exploration (Mar 19, 2023) Title: *Is gender bias a one-way street?*	**PjS**	**Eger** Grade: 1.0

39-M-Inf-ABDA_a: Advanced Big Data Analytics / Big Data Machine Learning	Grade: 1.0 CP: 5

392232	**Graph Neural Networks in Big Data Analytics (WiSe 2022/2023)** oral presentation with written exploration (Feb 13, 2023) *(Leistungsart von "Projekt mit Ausarbeitung" in "Referat mit Ausarbeitung" geändert, siehe Mail von Sabine Klusmann vom 24.4.2023)*	**S**	**Schönhuth** Grade: 1.0

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Individual subsidiary subjects

The individual subsidiary subjects section is used for individual specialization – grades are not taken into account in calculating the overall grade.

WiSe 2022/2023

392232	**Graph Neural Networks in Big Data Analytics**	**S**	**Schönhuth**
	study requirements	CP: 4	

ECTS grade distribution table for Intelligent Systems

Grades used in institution (from highest to lowest passing grade)	Number of passing grades awarded to the reference group	Percentage of each grade with respect to the total passing grades awarded	Cumulative percentage of passing grades awarded	grade range
1.0	11	15.7%	15.7%	very good
1.1	5	7.1%	22.9%	
1.2	11	15.7%	38.6%	
1.3	6	8.6%	47.1%	
1.4	6	8.6%	55.7%	
1.5	7	10.0%	65.7%	
1.6	5	7.1%	72.9%	good
1.7	3	4.3%	77.1%	
1.8	5	7.1%	84.3%	
1.9	3	4.3%	88.6%	
2.0	2	2.9%	91.4%	
2.1	1	1.4%	92.9%	
2.2	1	1.4%	94.3%	
2.3	1	1.4%	95.7%	
2.6	1	1.4%	97.1%	satisfactory
2.7	1	1.4%	98.6%	
2.9	1	1.4%	100.0%	
Total	**70**	**100%**	**100%**	

This grade distribution table includes all degrees completed between Apr 1, 2021 and Apr 27, 2023.

Explanation

FsB = Subject-specific regulations, Kl = written examination, Pj = project, PjS = project seminar, S = seminar, V = lecture, WiSe = winter semester, SoSe = summer semester,
CP = Credit point/s; a single credit point is equivalent to one credit according to ECTS.

This transcript certifies that the student is eligible to re-take any examination and therefore no examination can be considered definitively failed.

The transcript covers all study requirements as well as all module examinations and sub-module examinations passed and failed during the course of study, including grades where applicable. Study requirements always correspond to individual courses. Module examinations and sub-module examinations either correspond to individual courses or are listed separately, with the form the examination takes stated in each case. Only the module descriptions provide a complete overview of all courses and elements belonging to the module. Credit points are awarded and declared for successfully completed modules.
All module titles are shown in English, including those with original English titles. Names of courses and titles/topics of module examinations and sub-module examinations are not translated.

Grades:
up to and including 1.5 = very good;
from 1.6 to 2.5 = good;
from 2.6 to 3.5 = satisfactory;
from 3.6 to 4.0 = sufficient;
above 4.0 = fail

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