

Notenspiegel

Zentrales Prüfungsamt

Datum: 08.08.2025

Nachname:
Zahid

Vorname:
Muhammad

Geburtsdatum:
31. Dezember 1990

Geburtsort:
Bahawalnagar

Matrikelnummer:
404792

Studien-ID:
1480 88 080 (2018)

Studiengang:
Data Science

(angestrebter) Abschluss:
**Master of Science RWTH Aachen University
(M. Sc. RWTH)**

Module/Fächer	Note	Vm	Ang	CP	Datum	Sem
Data Science	2,5		N	120,00		
Kernbereich	3,3		N	48,00	23.03.2023	
Computer Science	3,5		N	26,00	23.03.2023	
Introduction to Data Science	3,0		N	6,00	06.05.2021	
Einführung in Data Science	3,0	BE	N	6,00	06.05.2021	20W
Konzepte und Modelle der parallelen und datenzentrischen Programmierung	4,0		N	6,00	17.08.2022	
Konzepte und Modelle der parallelen und datenzentrischen Programmierung (SS)	4,0	BE	N	6,00	17.08.2022	22S
Machine Learning	4,0		N	6,00	23.03.2023	
Machine Learning	4,0	BE	N	6,00	23.03.2023	22W
Privacy Enhancing Technologies for Data Science	4,0		N	4,00	06.07.2021	
Privacy Enhancing Technologies for Data Science (Übung)	4,0	BE	N	4,00	06.07.2021	20W
Semantic Web	2,7		N	4,00	10.03.2023	
Semantic Web	2,7	BE	N	4,00	10.03.2023	22W
Mathematics	2,7		N	18,00	28.09.2021	
Applied Data Analysis	2,7		N	9,00	28.09.2021	
Applied Data Analysis	2,7	BE	N	9,00	28.09.2021	21S
Mathematics of Data Science	B		N	9,00	20.02.2021	
Mathematics of Data Science	B	BE	N	9,00	20.02.2021	20W
Ethics	3,3		N	4,00	22.09.2021	
Ethics, technology, and data	3,3		N	4,00	22.09.2021	
Prüfung Ethics, Technology, and Data (Angewandte Ethik)	3,3	BE	N	4,00	22.09.2021	21S
Vertiefungsbereich	2,2		N	36,00	13.03.2025	
Computer Science	2,4		N	24,00	13.03.2025	
Wahlpflichtmodule aus Modulkatalog Computer Science	2,4		N	24,00	13.03.2025	
Designing Interactive Systems I	2,3		J	6,00	10.06.2021	

Module/Fächer	Note	Vm	Ang	CP	Datum	Sem
Designing Interactive Systems	2,3	BE	J	6,00	10.06.2021	20W
Grundlagen der Computergraphik	2,0		J	6,00	10.06.2021	
Prüfung Einführung in die Computergraphik	2,0		J	6,00	10.06.2021	20W
Basic Techniques in Computer Graphics	2,0	BE	J	6,00	10.06.2021	20W
Implementation of Databases	3,3		N	6,00	13.03.2025	
Implementation of Databases	3,3	BE	N	6,00	13.03.2025	24W
Künstliche Intelligenz	2,0		J	6,00	10.06.2021	
Introduction to Artificial Intelligence	2,0	BE	J	6,00	10.06.2021	20W
Seminar, Praktikum	2,0		N	12,00	18.03.2022	
Seminar Informatik	3,0		N	5,00	18.03.2022	
Education in Virtual Reality and Multimodal Learning Analytics	3,0	BE	N	5,00	18.03.2022	21W
Praktikum	1,3		N	7,00	04.02.2022	
Blockchain Experience Lab	1,3	BE	N	7,00	04.02.2022	21W
Zusätzliche Kompetenzen	2,5		N	6,00	07.09.2021	
Nicht-technisches Fach			N		07.09.2021	
Frei wählbare nicht-technische Module			N		07.09.2021	
Entrepreneurship 101 - Thinking like an entrepreneur and becoming one	2,5		N	6,00	07.09.2021	
Entrepreneurship 101 - Getting to Market 1	2,7	BE	N	1,00	29.07.2021	21S
Entrepreneurship 101 - Start-up CFO 1	2,0	BE	N	1,00	07.09.2021	21S
Entrepreneurship 101 – Thinking & Acting Like an Entrepreneur 1	3,7	BE	N	1,00	29.07.2021	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 2	4,0	BE	N	1,00	29.07.2021	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 3	1,3	BE	N	1,00	07.09.2021	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 4	1,7	BE	N	1,00	07.09.2021	21S
Modulbaustein Wissenschaftliche Integrität			N	0,00	19.01.2022	
Modulbaustein Wissenschaftliche Integrität	B		N	0,00	19.01.2022	
Wissenschaftliche Integrität	B	BE	N	0,00	19.01.2022	21W

Abschlussarbeit	Note	Vm	Ang	CP	Datum	Sem
Masterarbeit	1,7		N	30,00	19.06.2025	25S
Thema: Benchmarking von Semi-Supervised Machine Learning für die Produktqualität						

Gesamtcredits: 120,00 / 120,00
Gesamtnote: 2,5

Diese Bescheinigung dient nicht zur Vorlage bei der Einschreibung; der Nachweis über ein abgeschlossenes Studium wird auf andere Weise geführt.

Erläuterungen:

(!) ungültige Leistung = Diese Leistung ist ungültig und wird nicht gewertet

N/A = nicht zutreffend

Notenskala: 1,0 - 1,5 sehr gut / 1,6 - 2,5 gut / 2,6 - 3,5 befriedigend / 3,6 - 4,0 ausreichend / 5,0 nicht ausreichend /
B = Bestanden / Q = keine Beurteilung

Vm = Vermerk / Ang = angerechnete Leistung/Leistungsübertrag aus voriger PO-Version/vorgezogene
Masterprüfung (J/N/T = Ja/Nein/Teilweise) / CP = Credit Points / Sem = Semester: __ W = Wintersemester/
__ S = Sommersemester

Vermerke: AN = zur Zeit aktive Anmeldungen, BE = bestanden, NB = nicht bestanden, X = nicht erschienen,
PA = Prüfung abgebrochen, Q = Attest, U = Täuschung, NZ = nicht zugelassen, A = Annullierung, PAQ = Prüfung
abgebrochen (Attest), R = Rücktritt durch Genehmigung, S = Stornierung, TS = Technische Störung, M = mindestens
ausreichend bestanden, G/GA/GL = Note gestrichen, E = Ersetzt, NU = nicht unternommen, TR = Themenrückgabe,
NA = nicht abgegeben

Dieses Dokument wurde maschinell erstellt und ist ohne Siegel und Unterschrift gültig.

Certification Examinations

Central Examination
Office

Date: 2025-08-08

Family Name:
Zahid

First Name:
Muhammad

Date of Birth:
December 31, 1990

Place of Birth:
Bahawalnagar

Student ID Number:
404792

Study-ID:
1480 88 080 (2018)

Course of Study:
Data Science

(Intended) Degree:
**Master of Science RWTH Aachen University
(M. Sc. RWTH)**

Modules/Courses	Grade	An	Rec	CP	Date	Sem
Data Science	2.5		N	120.00		
Core Subjects	3.3		N	48.00	2023-03-23	
Computer Science	3.5		N	26.00	2023-03-23	
Introduction to Data Science	3.0		N	6.00	2021-05-06	
Introduction to Data Science	3.0	BE	N	6.00	2021-05-06	20W
Concepts and Models for Parallel and Data-centric Programming	4.0		N	6.00	2022-08-17	
Concepts and Models for Parallel and Data-centric Programming (SS)	4.0	BE	N	6.00	2022-08-17	22S
Machine Learning	4.0		N	6.00	2023-03-23	
Machine Learning	4.0	BE	N	6.00	2023-03-23	22W
Privacy Enhancing Technologies for Data Science	4.0		N	4.00	2021-07-06	
Privacy Enhancing Technologies for Data Science (Exercise)	4.0	BE	N	4.00	2021-07-06	20W
Semantic Web	2.7		N	4.00	2023-03-10	
Semantic Web	2.7	BE	N	4.00	2023-03-10	22W
Mathematics	2.7		N	18.00	2021-09-28	
Applied Data Analysis	2.7		N	9.00	2021-09-28	
Applied Data Analysis	2.7	BE	N	9.00	2021-09-28	21S
Mathematics of Data Science	B		N	9.00	2021-02-20	
Mathematics of Data Science	B	BE	N	9.00	2021-02-20	20W
Ethics	3.3		N	4.00	2021-09-22	
Ethics, technology, and data	3.3		N	4.00	2021-09-22	
Examination Ethics, Technology, and Data (Applied Ethics)	3.3	BE	N	4.00	2021-09-22	21S
Focus Area	2.2		N	36.00	2025-03-13	
Computer Science	2.4		N	24.00	2025-03-13	
Elective Modules of Computer Science	2.4		N	24.00	2025-03-13	
Designing Interactive Systems I	2.3		J	6.00	2021-06-10	

Modules/Courses	Grade	An	Rec	CP	Date	Sem
Designing Interactive Systems	2.3	BE	J	6.00	2021-06-10	20W
Computer Graphics	2.0		J	6.00	2021-06-10	
Exam Introduction to Computer Graphics	2.0		J	6.00	2021-06-10	20W
Basic Techniques in Computer Graphics	2.0	BE	J	6.00	2021-06-10	20W
Implementation of Databases	3.3		N	6.00	2025-03-13	
Implementation of Databases	3.3	BE	N	6.00	2025-03-13	24W
Artificial Intelligence	2.0		J	6.00	2021-06-10	
Introduction to Artificial Intelligence	2.0	BE	J	6.00	2021-06-10	20W
Seminars and Lab Courses	2.0		N	12.00	2022-03-18	
Seminar Computer Science	3.0		N	5.00	2022-03-18	
Education in Virtual Reality and Multimodal Learning Analytics	3.0	BE	N	5.00	2022-03-18	21W
Software Lab	1.3		N	7.00	2022-02-04	
Blockchain Experience Lab	1.3	BE	N	7.00	2022-02-04	21W
Additional Competences	2.5		N	6.00	2021-09-07	
Non-technical Course			N		2021-09-07	
Selectable Non-Technical Modules			N		2021-09-07	
Entrepreneurship 101 - Thinking like an entrepreneur and becoming one	2.5		N	6.00	2021-09-07	
Entrepreneurship 101 - Getting to Market 1	2.7	BE	N	1.00	2021-07-29	21S
Entrepreneurship 101 - Start-up CFO 1	2.0	BE	N	1.00	2021-09-07	21S
Entrepreneurship 101 – Thinking & Acting Like an Entrepreneur 1	3.7	BE	N	1.00	2021-07-29	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 2	4.0	BE	N	1.00	2021-07-29	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 3	1.3	BE	N	1.00	2021-09-07	21S
Entrepreneurship 101 - Thinking & Acting Like an Entrepreneur 4	1.7	BE	N	1.00	2021-09-07	21S
Scientific Integrity			N	0.00	2022-01-19	
Scientific Integrity	B		N	0.00	2022-01-19	
Scientific Integrity	B	BE	N	0.00	2022-01-19	21W

Final thesis	Grade	An	Rec	CP	Date	Sem
Master Thesis	1.7		N	30.00	2025-06-19	25S
Topic: Benchmarking of semi-supervised machine learning for product quality						

Overall Credits: 120.00 / 120.00
Overall Grade: 2.5

This certification shall not be used for the registration at another university; completed studies are documented in another way.

Explanations:

(!) Invalidated assessment = This assessment has been invalidated and will not be counted

N/A = not applicable

Grades: 1,0 - 1,5 = very good / 1,6 - 2,5 = good / 2,6 - 3,5 = satisfactory / 3,6 - 4,0 = sufficient / 5,0 = failed /
B = passed / Q = no assessment

An = Annotation / Rec = recognized examination/data transfer from older version of examination regulations/
Master's assessments completed in the Bachelor's course of study (J/N/T = yes/no/partial) / CP = Credit Points /
Sem = semester: __ W = winter semester/ __ S = summer semester

Annotations: AN = currently active registrations, BE = passed, NB = failed, X = absent/failed, PA = exam aborted,
U = cheating, Q = medical certificate, NZ = not admitted, A = examination annulled, PAQ = exam aborted (medical
certificate), R = approved withdrawal, S = cancellation, TS = technical issues, M = passed with a grade of at least
sufficient, G/GA/GL = deleted grade, E = replaced, NU = not taken, TR = return of thesis topic, NA = not submitted

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