



Mr.

Marcel Carlé

born on

May 26, 1990

in

Essen

has passed the

Master Examination

in accordance with the

provisions of the syllabus for

Computer Science

and has obtained the overall mark

good (2,5)

Master Thesis

Credits

Mark

Topic of

Improving Vehicle Diagnostics in

30

good (2,2)

Master Thesis

improving verticle Diagnostics in

Service Stations with Wearable Devices

Examiner

Rumpe

Aachen, May 17, 2017

Chair of the

Examination Board

Univ.-Prof. Dr. rer. nat. Jan Oliver Borchers



RNTHAACHEN UNIVERSITY

Marcel Carlé born on May 26, 1990 in Essen has achieved the following individual results:

	Credits	Mark
Theoretical Computer Science	12	satisfactory (3,1)
Foundations of the UML	6	satisfactory (3,3)
Static Program Analysis	6	satisfactory (3,0)
Software and Communications	24	satisfactory (3,2)
Generative Software Engineering	6	satisfactory (2,7)
Object Oriented Software Construction	6	satisfactory (3,3)
Model-Based Software Engineering	6	sufficient (3,7)
Multimedia Internet Technology	6	satisfactory (3,3)
Data and Information Management	6	satisfactory (3,0)
Advanced Data Mining Algorithms	6	satisfactory (3,0)
Applied Computer Science	12	satisfactory (2,7)
Designing Interactive Systems I	6	satisfactory (2,7)
Designing Interactive Systems II	6	satisfactory (2,7)
Business Administration	18	satisfactory (2,8)
Development of IT Standards	6	good (2,0)
IT and Organisation	6	satisfactory (2,7)
Project Management	6	sufficient (3,7)
Labs, Seminars, Colloquiums	18	good (1,6)
Seminar II - Software and Communication	4	good (2,0)
Seminar I - Data and Information Management	4	good (2,0)
Software Lab Software and Communication	7	very good (1,0)
Colloquium - Software and Communication	3	good (2,0)

This certificate has also been issued in a German version. A credit point represents an estimated workload of approximately 30 hours.