Jakob Guldberg Aaes
Frederiksborgvej 190,2 th
2400 København NV

KØBENHAVNS UNIVERSITET

It is hereby confirmed that Jakob Guldberg Aaes, Civil Registration Number: 240793-1907, has been enrolled as a student at University of Copenhagen.

Name of the education: **Bachelor's programme**

The student graduated on 06.07.2018.
The student has passed the following subjects.
The credits are shown in ECTS

	Marks	ECTS Grade	Credits
Bachelor's programme, Natural Science and IT	passed		180.0000
Bachelor, Major subject 150 ECTS, Natural Science and IT	passed		142.5000
Bachelor in Science & IT - Central subject and Specialization	passed		142.5000
Bachelorgrundfag	passed		105.0000
1. Year Mandatory	passed		60.0000
MatIntro eller MatIntroNat	passed		7.5000
Introduction to Mathematics for Science	4	D	7.5000
Linear Algebra	passed		7.5000
Linear Algebra in Science	7	C	7.5000
Programmering og modellering / Modellering i naturvidenskab & Programmering og problemløsning	passed		15.0000
Programming and Modellng	7	C	15.0000
MatNat / MatF / An0	passed		7.5000
Mathematics for Physicists	02	E	7.5000
Algorithms and Data Structures	10	B	7.5000
Databases and webprogramming / datamining	passed		7.5000
Databases and Data Mining	4	D	7.5000
Statistiske modeller i naturvidenskab	passed		7.5000
Statistical Models in Science	4	D	7.5000
2. year Mandatory	passed		30.0000
Introduction to Numerical Analysis	Passed		7.5000
Numerical Solution of Differential Equations: Finite Difference Methods	Passed		7.5000
Project Course: Science and IT	10	B	7.5000
Videnskabsteori	passed		7.5000
Philosophy of Computer Science	02	E	7.5000
Bachelor Project	passed		15.0000

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Bachelor project in Natural Sciences and It, Department of Computer Science Title: Probabilistic Tractography in Diffusion MR	4	D	15.0000
Bachelor Specialization	passed		37.5000
Physics Specialization	passed		37.5000
Electrodynamics and Waves			
Transferred from University of Copenhagen, Denmark Erstattet af NFYA06050U Matematik F2 (MatF2)	Passed		0.0000
Quantum Mechanics 1	4	D	7.5000
Physics 3	passed		7.5000
Thermodynamics and Project	02	E	7.5000
EM1	passed		7.5000
Electromagnetism	4	D	7.5000
Mek1 / Mek2 & Mekanik og relativitetsteori	passed		15.0000
Mek1 & Mek2	passed		15.0000
Mech1	passed		7.5000
Introduction to Mechanics and Relativity Theory	02	E	7.5000
Mech2	passed		7.5000
Classical Mechanics	02	E	7.5000
Bachelor, Minor/elective subjects 30 ECTS, Natural Science and IT	passed		37.5000
Naturvidenskab og it frit tilvalg 30 ECTS	passed		37.5000
Free Elective Module	passed		37.5000
BSc Courses	passed		7.5000
Modelling and Analysis of Data	10	B	7.5000
Physic Courses for Elective Module	passed		7.5000
Quantum Mechanics 2	02	E	7.5000
Mathematics Elective Master Courses	passed		7.5000
Mathematics F2	4	D	7.5000
Master Level Courses for Use on the B. sc.	passed		15.0000
Physics - Master Level Courses Elective Module	passed		7.5000
Applied Statistics: From Data to Results	02	E	7.5000
Computer Science Msc Elective Courses	passed		7.5000
Applied Programming	Passed		7.5000

Name of the education: **Master's programme**

The student has not graduated.
The student has passed the following subjects.
The credits are shown in ECTS

	Marks	ECTS Grade	Credits
Master's programme, Bioinformatics			75.0000
Master, Major subject 120 ECTS, Bioinformatics			75.0000
Computer Science 120 ECTS			75.0000

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Compulsory Courses			30.0000
Biological Sequence Analysis	4	D	7.5000
Molecular Biology for Non-life Scientists	Passed		7.5000
Structural Bioinformatics	7	C	7.5000
Machine Learning	passed		7.5000
Machine Learning	4	D	7.5000
Restricted Elective Courses 37,5 ECTS			15.0000
Medical Image Analysis	12	A	7.5000
Numerical Optimization	7	C	7.5000
Master's Thesis	passed		30.0000
Bioinformatics Thesis 30 ECTS, Department of Computer Science Title: Automated Assessment of Tumor Regression During Radiation Treatment usingCone Beam Computed Tomography	12	A	30.0000
MSc Courses	passed		0.0000
Approved Courses	passed		0.0000