

EXAMENSBEVIS

DEGREE CERTIFICATE

David Karell

HAR AVLAGT / HAS BEEN AWARDED THE DEGREE OF

CIVILINGENJÖRSEXAMEN

I DATATEKNIK

MASTER OF SCIENCE (MSc) IN COMPUTER SCIENCE AND ENGINEERING

Luleå tekniska universitet / Luleå University of Technology

14 december 2001

Rektor/President

LULEÅ TEKNISKA UNIVERSITET

DEGREE CERTIFICATE

DAVID KARELL 1976-05-16-7530

has on

December 14, 2001

been awarded the degree of Master of Science in Computer Science and Engineering (180 university points) in accordance with the regulations governing Swedish Higher Education (SFS 1993:100)

specialising in

Computer Science

this degree also includes;

submission of a thesis on the subject

Computer Science

required practical industrial training

September 25, 2000

Course	Points	Grade	Date
Information Technology	4.0	Pass	1995-12-06
Thermodynamics	4.0	Three (3)	1996-05-07
Mathematical Statistics	4.0	Five (5)	1996-06-03
Research Methods	4.0	Pass*	1996-06-03
Mathematics	16.0	Four (4)	1996-06-05
Mechanics	5.0	Three (3)	1996-08-30
Linear Systems	4.0	Four (4)	1997-10-16
Functional Programming	4.0	Five (5)	1997-10-30
Discrete Mathematics	4.0	Five (5)	1997-12-16
Imperative Programming	4.0	Five (5)	1998-01-12
Signals and Systems I	4.0	Three (3)	1998-03-27
Program Construction	4.0	Five (5)	1998-04-28
General Chemistry	4.0	Four (4)	1998-05-27
German	5.0	Pass**	1998-06-04
Programming Project	4.0	Pass**	1998-06-15
Data Structures	4.0	Three (3)	1998-10-20
Human-Computer Interfaces	4.0	Four (4)	1998-11-16
Processor/Software Interface	4.0	Four (4)	1998-12-18
Advanced Algorithms	4.0	Five (5)	1999-01-14
Object Oriented Programming	4.0	Three (3)	1999-01-14
Basic Course in Business Administration	4.0	Three (3)	1999-03-11
Japanese	4.0	Five (5)	1999-04-08
Reactive Programming	4.0	Three (3)	1999-04-19
Computer Security	4.0	Three (3)	1999-05-27
System Programming	4.0	Pass*	1999-06-21
Logic	4.0	Three (3)	1999-09-01
Operating Systems	4.0	Five (5)	1999-12-06



DEGREE CERTIFICATE

DAVID KARELL, 1976-05-16-7530

Course	Points	Grade	Date
Computer Networks	4.0	Five (5)	1999-12-20
Communication Networks	4.0	Pass*	2000-03-16
Ethics in Engineering	4.0	Four (4)	2000-04-03
Information Retrieval	1.0	Pass*	2000-04-25
Theory of Computation	4.0	Three (3)	2000-05-29
Networking Project	4.0	Pass*	2000-07-10
Circuit Theory	4.0	Three (3)	2000-08-21
Practice 12 weeks	0.0	Pass★	2000-09-25
Multimedia Systems	4.0	Four (4)	2000-11-03
Logic Design	4.0	Five (5)	2000-11-26
History of Technology	4.0	Four (4)	2001-01-08
Logic Programming	4.0	Five (5)	2001-08-28
Master Thesis	20.0	Pass*	2001-12-14
Total Sum	183.0		

Lulea, April 19, 2002

Ann-Sofie Andersson Administrative Assistant

The Grade System:
The available grades are: three (3), four (4), and five (5). A higher figure signifies a better grade.
* For this course only the grade "Pass" is given.
** For this course the grade "Pass" and "Pass with distinction" is given.

The length of a course is shown by the number of points; 20 points are equivalent to one term of fulltime studies. 40 points are equivalent to one academic year of fulltime studies

