

Curriculum vitae

Tobias Abenius

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1 Personal data

Age 30

Citizenship Gothenburg, Sweden, European Union

Spoken Languages Swedish (native), English (fluent)

Civil status Married and has a son.

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2 Education

This list is in reverse order of completion.

- Master Programme in Bioinformatics and Systems Biology

COURSE	CREDITS (ECTS)
Metabolic Modelling	7
Large Scale Genomics Techniques, Analysis and Modelling	7
Structural bioinformatics	7
Sequence bioinformatics	7
Mathematical Modelling and Computational Tools	5
Cell Biology	15

- Master of Science at the University of Lund. The credits in this list is in swedish standard: 20p is one semester. To get ECTS points multiply with 1.5.

DEPARTMENT	COURSE	CREDITS
Computer Science	Thesis for a diploma in Computer Science	30 ECTS credits
Mathematical Statistics	Basic Course in Probability Theory	5p
Mathematical Statistics	Basic Course in Inference Theory	5p
Computer Science	Web Programming	5p
Computer Science	Computer Graphics	5p
Computer Science	Programming Language Theory	5p
Computer Science	Constraint Programming	5p
Computer Science	Algorithm Theory	5p
Computer Science	Language Processing and Computational Linguistics	5p
Computer Science	Compiler Construction	5p
Computer Science	Automata and Regular Expressions	5p
Computer Science	Software Configuration Management	5p
Computer Science	Artificial intelligence for robots	5p
Computer Science	Data Communication	5p
Computer Science	Artificial Intelligence	5p
Computer Science	C++ Programming	5p
Computer Science	Computer Technology (machine level assembly etc)	5p
Computer Science	Object Oriented Modeling	5p
Computer Science	Functional Programming in Haskell	5p
Computer Science	Logical Programming in PROLOG	5p
Computer Science	Object Oriented Programming in Java	7p
Computer Science	Functional programming in SML	3p
Computer Science	Discrete Mathematics	5p.
Computer Science	Algorithms and Datastructures	5p
Mathematics	Fourier Analysis	5p
Mathematics	Linear Algebra	5p
Mathematics	Matematik 1 α	10p
Mathematics	Matematik 1 β	10p

- High school
Pauli high school, Natural Sciences, technical branch (NV teknisk gren)

3 Summary of skills, knowledge and experience from industry

Programming Languages C, C++, C#, Java, Python, Pascal, Haskell, SML, Prolog, i386/Sparc/MIPS Assembler

Scripting Languages PHP, Perl, tilde, Javascript, bash, awk, sed

Markup Languages HTML, XHTML and XML

Modelling Language Unified Modelling Language, Entity Relationship

Text processing LaTeX

Fields of good knowledge from industry Lexical analyzers and LALR parsers (especially bison-yacc), Database Management Systems, Memory Management, Socket¹, pthreads (and other threadsystems) and Software Licensing

Operating systems GNU/Linux, FreeBSD, Solaris and Windows

Database Management Systems MySQL, PostgreSQL, Oracle

Implemented standards IMAP, SMTP, HTTP and POP3 among others

4 Former Employment Summary

4.1 NBSP Solutions AB, Malmö, 2001-2002, Partner

- Partner, Management
- Responsible for system administration
- Developing solutions and metasolutions for the web (C, tilde, javascript, XHTML and XML)
- Lexical analyzers and LALR parsers
- Memory management
- Database Management Systems
- SQL development

4.2 Gröna Verket AB, Malmö, 2000-2001, Fulltime

- Web development in C, tilde, XHTML and XML
- Created an interpreted language (tilde)
- Lexical analyzers and LALR parsers
- Memory management
- Database Management Systems
- SQL development

¹Network layer in unices

4.3 Funcform AB Malmö, 1997-2000, Fulltime

- Web development in Perl, C and javascript
- Created an interpreted language (OOiS)
- SQL development
- IT architect
- Network administration (Windows, Linux, Apple)
- System administration (Linux)
- Recruitment of personell
- Project management

4.4 Convergencia AB, Staffanstorp, 1997-, Hours

- Windows software development in Delphi Pascal and Autocad-script
- User interface design

4.5 TestIT AB, Stockholm, 1998-1999, Project

- Web statistics system
- Javascript development

5 References

Contact me for references.