

# Curriculum Vitae

## Andreas Hansson

Bachelor of Science in Systems Programming,  
Master of Science in Computer Science,  
Licentiate of Engineering in Cognitive Systems



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## General

**Date of birth:** February 15<sup>th</sup>, 1976

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## Areas of expertise

My primary expertise lies in two areas: software engineering (with focus on project management, requirements elicitation and project documentation according to the Rational Unified Process™) and artificial intelligence (with focus on learning systems).

- Regarding software engineering I have both practical and theoretical experience
  - I have got 6 years of experience as project manager using the Rational Unified Process™ (RUP) combined with Unified Modelling Language (UML).
  - I have got 2 years of experience as project manager using F<sup>3</sup> combined with Enterprise Modelling.
  - I am considered to be one of the leading authorities on Software Engineering Processes at the University of Skövde, Sweden.
  - I have completed four years of university studies as a software programmer and database modeller.
  - I have been a teacher of RUP and of how to design graphical user interfaces and database interfaces at university level.
  - I have supervised dissertations for both BSc and MSc degrees that regards risk management in software development projects and requirements elicitation.
- Regarding artificial intelligence, for six years I have performed research as a PhD student in learning systems (computer programs that learns from experience, rather than being programmed) with focus on Artificial Neural Networks. In this area I have been published in top-of-the-line international conferences and helped organizing a few national conferences and workshops.

## Education and employment

- 2006 - Co-founder and senior developer of Västgöta-Data AB together with Adam Rehbinder, Nicklas Bergfeldt and senior board members, Stig Martín, co-founder and member of the board of Softronic AB, and Robert Rehbinder, CEO of Svenskt Rekonstruktionskapital AB and chairman of Ramnäs Bruk AB.
- 2005 - Co-founder of Västgöta-Data KB along with Adam Rehbinder, Nicklas Bergfeldt, and Robert Rehbinder. Västgöta-Data offers software development and high-end IT-services.
- 2005 Licentiate of Engineering in Cognitive Systems, Department of Computer Science, University of Linköping, Sweden
- 2003 - 2006 Employment as PhD student, Department of Computer Science, University of Skövde, Sweden
- 2000 - 2002 Employment as a teaching assistant, Department of Computer Science, University of Skövde, Sweden
- 2000 Master of Science in Computer Science – New Generation Representations, Department of Computer Science, University of Skövde, Sweden
- 1999 Bachelor of Science in Systems programming, University of Skövde, Sweden
- 1998 - 2000 Software engineering project manager, Department of Computer Science, University of Skövde, Sweden

## Organizational activities

### Related to software engineering (outside Västgöta-Data)

- 2003 - 2004 Project supervisor for project Maprix  
Ordering company: Markstridsskolan (Army Combat School)  
Project purpose: build an educational tool for a full size battle tank simulator.  
Project size: 600 man hours, 3 workers  
Project process: Rational Unified Process
- 2002 - 2003 Project supervisor CALM  
Ordering company: Ericsson Microwave Systems AB  
Project purpose: to prototype a graphical user interface for controlling and coordinating movements of military units  
Project size: 2800 man hours, 7 workers  
Project process: Rational Unified Process
- 2002 - 2003 Director of Studies of Software Engineering, University of Skövde, Sweden.
- 2002 - 2003 Director of Studies of Software Technology, University of Skövde, Sweden.
- 2001 - 2002 Project supervisor Project Portal  
Ordering company: M&Beda Solutions AB  
Project purpose: Build a software engineering project status report tool accessible via Internet  
Project process: Rational Unified Process
- 2001 Examiner of the course Software Interfaces, Level: 3<sup>rd</sup> year BSc, 3 weeks full-time studies.
- 2001 Examiner of the course Database Interfaces, Level: 3<sup>rd</sup> year BSc, 3 weeks full-time studies.
- 2000 - 2001 Project supervisor Simulation Scenario Builder  
Ordering company: Ericsson Microwave Systems AB  
Project purpose: Build a Sensor Environment Simulator (extending the “Radar Use Interface Simulator” from 1999)  
Project size: 2600 man hours, 13 workers  
Project process: Rational Unified Process

- 1999 Project manager and requirements elicitor for “Radar User Interface Simulator”  
Ordering company: Ericsson Microwave Systems AB  
Project purpose: Build a prototype graphical user interface for a radar system  
Project size: 3000 man hours 15 workers  
Project process: Rational Unified Process
- 1999 Project Supervisor  
Ordering company: Volvo IT AB  
Project purpose: Build a workflow management tool for online ordering and support of computer components  
Project size: 2000 man hours, 7 workers  
Project process: F<sup>3</sup>
- 1998 Project Manager for “Mobile Unit System 1998” (MUS98).  
Ordering company: Volvo IT AB and Department of Engineering at the University of Skövde  
Project purpose: Build a mobile robot simulator and emulator  
Project size: 4500 man hours, 16 workers.  
Project process: F<sup>3</sup>

### Related to university administration and research

- 2004 Member of the Program committee for the workshop “Artificial Intelligence and Learning Systems 2004” (AILS2004), Lund University, Sweden.
- 2003 Member of the University Research Strategy Group, University of Skövde, Sweden.
- 2003 Member of the Research Council, University of Skövde, Sweden.
- 2003 Member of the Board of Research and Education, University of Skövde, Sweden.
- 2002 Member of the Board of Department of Computer Science, University of Skövde, Sweden.
- 2002 Program chair for the conference “Futures in Computer Science and Engineering 2002” (FCSE2002), University of Skövde, Sweden.
- 2001 Member of the Program and Organizing Committee, Workshop for the Swedish Artificial Intelligence Society (SAIS2001), Skövde, Sweden.

### Miscellaneous

- 2006 Member of the board of Götene Sports Diving Club (as treasurer).
- 2005 - 2006 Member of the board of Västergötlands Sports Diving Federation (as secretary).
- 2003 - 2004 Member of the board of Västergötlands Sports Diving Federation (as treasurer).

## Refereed Publications

- 2006 Hansson, A., and Niklasson, L. (in press). Using Segmentation to Control Retrieval of Data. In *Proceedings of the International Joint Conference on Neural Networks 2006 (IJCNN2006)*, Vancouver, Canada, July, 2006.
- 2004 Bergfeldt, N., and Hansson, A. (2004). Evolutionary pressure on developing simple languages. In *Proceedings of the 2nd Joint SAIS/SSLS Workshop (AILS 2004)*. Available as Technical Report HS-IKI-TR-05-002, School of Humanities and Informatics, University of Skövde, Sweden.
- 2002 Hansson, A., and Niklasson, L. (2002). Modeling Grouping with Recursive Auto-Associative Memory. In *Proceedings of the Twenty Fourth Annual Conference of the Cognitive Science Society (CogSci 2002)*, Fairfax, Virginia, August, 2002. Also presented at Swedish Artificial Intelligence Society’s workshop 2003 (SAIS2003), Örebro, Sweden.

## Lecturing experiences

- 2004 - 2006 **Artificial Intelligence –Neural Networks**, Category: Lecturing, Supervision, Level: 3<sup>rd</sup> year BSc, 3-5 weeks full-time studies.
- 2003 - 2005 **Connectionism and Artificial Intelligence**, Category: Lecturing, Level: 4<sup>th</sup> year MSc, 5 weeks full-time studies.
- 2002 - 2004 **Software Development Project –Requirements elicitation and group establishment**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 3<sup>rd</sup> year BSc, 3-5 weeks full-time studies.
- 2002 - 2004 **Software Development Project –Testing**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 2<sup>nd</sup> year BSc, 5 weeks full-time studies.
- 2001 - 2003 **Software Development Project –Implementation**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 1<sup>st</sup> year BSc, 5 weeks full-time studies.
- 2001 - 2003 **Software Development Project –Design**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 2<sup>nd</sup> year BSc, 5-6 weeks full-time studies.
- 2001 - 2002 **Database Interfaces**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 3<sup>rd</sup> year BSc, 3 weeks full-time studies.
- 2001 **Software Interfaces**, Category: Examination, Course coordination, Lecturing, Supervision, Level: 3<sup>rd</sup> year BSc, 3 weeks full-time studies.
- 2000 - 2001 **Cognitive Science –Information and Interaction**, Category: Lecturing, Supervision, Level: 2<sup>nd</sup> year BSc, 6 weeks full-time studies.
- 2000 - 2001 **Cognitive Science –Cognitive Modelling**, Category: Lecturing, Supervision, Level: 3<sup>rd</sup> year BSc, 5 weeks full-time studies.
- 1999 - 2000 **Software Development Project**, Category: Lecturing, Supervision, Level: 2<sup>nd</sup> year BSc, 7 weeks full-time studies.

## Supervision of BSc Dissertations

- 2005 Anders Roxell, *Kontrollarkitekturers Generaliseringsförmåga vid Yt-täckning*, School of Humanities and Informatics, University of Skövde
- 2002 Rúnar Guðlaugsson, *Using security protocols to extend the FiLDB architecture*, Department of Computer Science, University of Skövde

## Supervision of MSc Dissertations

- 2006 Jesper Tiberg, *Hypothesis Evaluation in Command and Control Systems*, School of Humanities and Informatics, University of Skövde
- 2005 Anders Nystrand, *Unsupervised Imitation in Evolved Robots*, School of Humanities and Informatics, University of Skövde
- 2005 Timea Varga, *The effect of delay-lines on sequence recall - A study of B-RAAM*, School of Humanities and Informatics, University of Skövde
- 2002 Mattias Åström, *Faktorer som orsakar misslyckade data warehousingprojekt*, Department of Computer Science, University of Skövde
- 2002 Eleonor Torstensson, *Important Properties for Requirements Reuse Tools*, Department of Computer Science, University of Skövde.