Martin Sjölin

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Education

Sept 1991	-	June 1995	Graduate student at the Department of Computer Science, University of Linköping, Sweden. Organized graduate course in the area of Intelligent Information Systems. Instructor in Lisp programming 1991, 1992, and 1993.
Oct 1989	-	Sept 1990	One year scholarship from the French state for Computer Science studies at l'Ecole Nationale Supérieure d'Informatique et de Mathématiques Appliquées de Grenoble (ENSIMAG), France. Worked towards a DEA d'Informatique (approx. Master of Science) in computer vision.
Sept 1989			University of Uppsala, Sweden, B.S. in Mathematics.
Aug 1988	-	May 1989	Studies in Computer Science and Psychology at Uppsala University, Sweden.
Sept 1987	-	May 1988	French Studies at Centre Universitaire des Etudes Fran caises, Grenoble, France.
Aug 1983	-	Aug 1987	Studies in Mathematics and Computer Science at Uppsala University.
June 1983			Completed secondary school (natural sciences program).

Experience

March 1998	-	Current	Leader of the Software Management Tools team at Union Bank of Switzerland, Zuerich.
June 1997	-	March 1998	Project leader/designer of the UBS *Core* release of Microsoft NT 4.0 for workstation and building an UBS Microsoft NT 4.0 server release. Development and maintenance of program installations tools for UBS in-house developed application delivery format, a SysV like package format for NT.
July 1995	-	June 1997	System engineer at UBS. Maintenance and development of an environment for remote support, software distribution, software installation and configuration of 150 – 250 Solaris 2.x machines. The Tivoli distributed TME object oriented framework was used. General system administration related issues under Solaris.
Sept 1991	-	June 1995	Graduate student at the Department of Computer Science, Linköping, Sweden. Development and support of the internally-developed object-centered database system (LINCKS) written in `C` and running under UNIX. LINCKS is a client-server system built using TCP/IP, RPC, and X11. Ported LINCKS to several different UNIX environments (including HP-UX, 4.3BSD, AIX, DEC OSF, Linux, and Solaris 2.x). Worked with hypertext and hypermedia, document handling and structured documents (SGML), Computer Supported Cooperative Work (CSCW), active databases, WWW, and object-oriented databases.
Sept 1994	-	Jan 1995	Installation and configuration of an Internet connection at a local consultant firm in Linköping using SLIP with the corresponding services (UseNet News, E-mail, WWW, ftp, etc.) as well as a firewall.
June 1991	-	Aug 1991	Uppsala University Computing Center (UDAC), Sweden. Designed and implemented a multi-user data entry application using a RDBMS (MIMER) under VAX/VMS.
Oct 1990	-	April 1991	Lars Sjölin Chartered Accountant Inc, Uppsala, Sweden. Planned, designed, installed, and started a small local area network (ethernet) in a mixed environment — PCs (Windows 3.x) connected to a fileserver running XENIX. Introductory course in Windows, Excel, Word as well as programming in Excel, Word, Netbios, and `C`.
April 1990	-	Sept 1990	Laboratoire d'Informatique Fondamentale et d'Intelligence Artificielle (LIFIA), IMAG, Grenoble, France. Designed and developed a low-level module for extraction and tracking of segmented figures (10000 lines of `C`). The module was part of distributed vision system using a low-level communication skeleton in `C` using sockets (TCP/IP). Development of interface between Sun Common Lisp and the skeleton using XDR. Initiated work with the GBB Blackboard. The work was within the ESPRIT project BRA3038.
Aug 1988 Jan 1986	- -	Sept 1989 May 1987	Uppsala University Computing Center (UDAC), Sweden. Designed and implemented a queuing system for open heart surgery patients using FORTRAN-77 and an RDBMS (MIMER) under VAX/VMS using the screen handler MIMER/SH and the report generator MIMER/RG. Development of a tool to support the screen handler. Also system manager for two VAXes running VMS.
May 1988	-	July 1989	Ecole National Supérieure des Mines, St Etienne, France, Researched the connection between an expert system written in Prolog and a database system (in Prolog). The expert system is accessible via a "MiniTel".
June 1985	-	June 1986	Philips Electronik Industrier, Uppsala, Sweden. Final Examination project. Developed a one-line assembler for the Motorola 680x0 series processors in ADA using an SLR(1) parser generator in LISP under VAX/VMS.
1984	-	1985	Held evening courses in BASIC programming.

Diverse

1989	Initiated the exchange program between ENSIMAG, Grenoble, France, and Department of Computer Science, Uppsala University, Sweden.
1985 - 1987	Photographer in Upplands area student society.
1985 - 1987	Worked in and held officer positions within the Uppsala Student's Union.
1983 - 1986	Chair of the mathematical studies council and related activities.

Personal

Age 33, bachelor. Fluent in English and in French, able communicate in German, aternal language Swedish. . Programmed in C, C++, Pascal, Fortran, ADA, Lisp, Prolog, ML, awk, perl, (ck)sh, and diverse assembler dialects. Knowledge of Apache, PHP/FI, Java, Python, Perl and related WWW technology. Experience with diverse Unix dialexts (Solaris, SunOS, HP-UX, Linux, Eunice, 4.3BSD, OSF), as well Microsoft operating systems (Win 3.11, NT 4.0), and also worked with VAX/VMS. Continued to support and develop the LINCKS system at home. Enjoy cooking & good wines, traveling, skiing, backpacking, windsurfing, rock-and-roll dancing, reading and Linux hacking.

Publications

[1] Martin Sjölin. Activation of LINCKS – adding an active aspect. In *Proceedings of Third Annual IDA Conference on Computer and Information Science*, pages 81–87, University of Linköping, Sweden, 1992. Department of Computer and Information Science. `http://www.ida.liu.se/labs/iislab/people/marsj/active.ps.gz`.

[2] Martin Sjölin. LINCKS – ett verktyg för cscw. In Lars Oestreicher, editor, *Design i MDI - Konferensdokumentation till STIMDI 94*, 1994. Rapport i STIMDIs rapportserie, nr 2. `http://www.ida.liu.se/labs/iislab/people/marsj/stimdi94.ps.gz`.

[3] Martin Sjölin. A WWW front end to an oodbms. In *Proceedings of the Second International World Wide Web Conference*, Chicago, USA, 1994. `http://www.ida.liu.se/labs/iislab/people/marsj/www94/www.html`.

[4] Martin Sjölin. LINCKS – a platform for computer supported cooperative work. In *Demo at the Conference on Computer Supported Cooperative Work*, Chapel Hill, North Carolina, 1994. `http://www.ida.liu.se/labs/iislab/people/marsj/cscw94demo.ps.gz`.

[5] Martin Sjölin. Introduction to LINCKS. *Linux Journal*, 1(11):26–30, March 1995.

[6] Martin Sjölin. The LINCKS GPD. *Linux Journal*, 1(13), May 1995.

[7] Martin Sjölin. Linux Expo at Union Bank of Switzerland. *Linux Journal*, 1(43), November 1997.

[8] Jaime Eduardo Villegas and Martin Sjölin. Industrial training with simulation games. In *Proceedings of European Simulation Symposium 1992*, Dresden, Germany, 5 – 8 November 1992. The Society for Computer Simulation. `http://www.ida.liu.se/labs/iislab/people/marsj/gam_proc.ps.gz`.

[9] Patrick Lambrix, Martin Sjölin, and Lin Pagdham. LINCKS – a platform for cooperative information systems. Technical report, Department of Computer and Information Science, LiTH, Sweden, 1993. Research Report. `ftp://ftp.ida.liu.se/pub/lincks/articles/cscw.ps.gz`.