Curriculum Vitae

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Education:

Licentiate in Engineering, Chemistry, Analytical Chemistry
Luleå University of Technology, Apr 2002 - Nov 2004
After graduating my masters program I got an offer for a PhD position I thought too interesting to pass up. The research project centered on development of analysis methods on a Thermo Finnigan MC-ICP-MS. Due to lack of founding of the project I only got my licentiate degree, a research fellowship that is not quite a PhD since the examination isn't as crucial.
Mostly we did research on human blood, nodules and other sediments. I mostly centered on data analysis and how to enhance resolution and accuracy with functional analysis.
The work was done in close collaboration with our supervisors, but we still had plenty of freedom to pursue our own interests and we had to define our own research profiles.

Master of Science, Engineering Physics, field: Mathematics.
Luleå University of Technology, Sep 1996 - Feb 2002
After graduating I was not really sure what I wanted to do. So I went for Engineering Physics, since that is a broad and theoretical program with plenty of interesting job opportunities.
For my final years I centered on mathematics, since I found the field both very interesting and something I had an aptitude for. My final thesis was in signal analysis, centering on wavelets and how to make a video codec. Working in collaboration with a telecommunications company.
Engineering physics is a broad and theoretical master of science program. Where a lot is centered on the math, but also how it can be applied in reality as well.

Upper secondary school (grades 10-12), Natural sciences, Electronics
Skellefteå, Balderskolan, Aug 1993 - Jun 1996
In highschool I opted for basic education in mathematics and electronics, as well as the traditional human and natural sciences.

Work experience:

Teacher, lab supervisor, Chemistry

Luleå University of Technology, Feb 2005 - May 2005 and Nov 2005 - Dec 2005

The university required my assistance for the laborations I held as a PhD student, so I was rehired for short intervals to supervise those. A full time position was not possible though, so I worked part time with supervision and correction of both the laborations I was used with and new ones.

Licentiate in Engineering, Chemistry, Analytical Chemistry

Luleå University of Technology, Apr 2002 - April 2004

The work as a doctor mainly considered education. During my career I did both public lectures and supervised laborations as well as correcting reports. I also helped a bit with recruiting of students and other minor commissions of trust for the university.

Internship, Telia Research

Luleå, TRAB, Jun 2001 - Aug 2001

My final thesis as a MSc of Engineering Physics was conducted in close collaboration with a telecommunications company, Telia Research AB. The work started as an internship where mine and my collaboration partner's job was to research and increase the knowledge of wavelet analysis within the company.

The research consisted of creating a scalable video codec using wavelets. Which is a development of Fourier transform, usable for many things, not only video compression but also identification of functions and frequency analysis as well as solving differential equations.

Acting assistant master, institution for Mathematics

Luleå University of Technology, Oct 2000 - Mar 2001

Having an employment as an assistant master in mathematics education at my university. This mainly consisted of explaining the lectures further and assisting the students in understanding of how the mathematics really work by hands on experiences with problems. I also found that I really enjoy teaching.

Teacher grade 7 to 9, Norra Örnnässkolan, Biology and Physical Education

Luleå, Aug 2000 - Oct 2000

I got the opportunity to try my hands at basic education, a very difficult concept indeed. I was a stand in teacher in biology, physical education and technology. It all ended with me getting a new job as a teacher at the university at the same time as a fully educated teacher could take my position.

Commissions of trust:

Chief instructor in Jodo and Iaido

STiL, Luleå University of Technology, Jan 1998 - Jan 2005

Always having a keen interest in Japan and martial arts, I took up training in Iaido and Jodo. After moving to my university town no one could train me, so I had to become an instructor on my own. Leaving a legacy.

Leader of student society 'the Nation of Japan'

Luleå University of Technology, Nov 1999 - Feb 2002

Yet again my keen interest in Japan and everything Asian meant that I founded a student organization for studies of Asian cultures. I have since then been the central figure and coordinator of this club.

Member of the board of, 'Higashi no Mizu'

Luleå, Dec 1999 - Feb 2002

I was also a board member and organizer for the local Japanese movie interest organization. My work consisted of such things as organizing logistics for most events as well as assisting with the structure of movie nights.

Some commissions of trust for student society 'Tärningen Avgör'

Luleå University of Technology, Sep 1998 - Oct 2000

As an avid role player I also had a minor role with some commissions of trust for the local role playing club at the university.

Publications:

A. Stenberg, D. Malinovsky, I. Rodushkin, H. Andrén, C. Pontér, B. Öhlander and D. C. Baxter. "Separation of Fe from whole blood matrix for precise isotopic ratio measurements by MC-ICP-MS: a comparison of different approaches". *J. Anal. At. Spectrom.*, **2003**, 18, 23-28.

A. Stenberg, H. Andrén, D. Malinovsky, E. Engström, I. Rodushkin and D. C. Baxter. "Isotopic variations of Zn in biological materials". *Anal. Chem.*, **2004**, 76, 3971-3978

D. Malinovsky, A. Stenberg, I. Rodushkin, H. Andrén, J. Ingri, B. Öhlander and D. C. Baxter. " Performance of high resolution MC-ICP-MS for Fe isotope ratio measurements in sedimentary geological material". *J. Anal. At. Spectrom.*, **2003**, 18, 687-695.

I. Rodushkin, A. Stenberg, H. Andrén, D. Malinovsky and D. C. Baxter. "Isotopic fractionation during diffusion of transition metal ions in solution". *Anal. Chem.*, **2004**, 76 (7), 2148-2151. H. Andrén, I. Rodushkin, A. Stenberg, D. Malinovsly and D. C. Baxter. "Sources of mass bias and isotope ratio variation in multi-collector ICP-MS: Optimization of instrumental parameters based on experimental observations". *J. Anal. At. Spectrom.*, **2004**, 19(9), 1217-1224.

Skills:
Operating systems: Windows 95/98/2000, UNIX, MacOSX
Mathematical software: Matlab, Mathcad, Magma, Maple, FemLab
Servers: G6 FTP Server, Apache HTML server, Mercury Mail Server
Programming Languages: ANSI C, Pascal, Java, Prolog, Matlab
Document handling: LaTeX, Word Perfect, Open Office, Microsoft Excel & Word

Lingual skills:
Swedish: Native language
English: Excellent speaker and writer
Japanese: Basic speaker and writer
German: Bad speaker and writer
Miscellaneous:
Keen interest in Japan.
Driving license: B (automobile)

References:

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