

CURRICULUM VITAE

PROFILE

A fast thinking and analytical problem solver with a good sense of structure. Is comfortable leading as well as cooperating. Thrives in a stimulating environment with many new challenges in a high pace. An initiator with many ideas, but still interested and focused on new solutions and perspectives.

EDUCATION



2008 – Present, Global Software Engineering European Master (GSEEM), Vrije Universiteit, Amsterdam, The Netherlands

Enrolled for the GSEEM programme. One year is at Mälardalen University, Sweden, and the other is (for me) at Vrije Universiteit Amsterdam in the Netherlands. Courses are mostly in the area of software engineering.



2003 – (Present), Civil Engineering programme in Computer Science and Electronics, Mälardalen University, Västerås, Sweden

Advanced level courses taken are primarily within the field of embedded, component-based, high-integrity and real-time systems as well as more "pure" software engineering topics.

My taken curriculum is currently comparable to a bachelor degree.



2002 – 2003 Squad Leader, Swedish Army (S1), Enköping, Sweden

Training in the Swedish army at the first signalling regiment. Where I served primarily as chief electrician and a squad leader for a communications team at the Swedish army's (in field) tactical command centre. Honoured with the rank of *Furir*.



1999 – 2002 IT Programme (Gymnasium/High School), Eskilstuna, Sweden

With a concentration towards computer science – with courses within electronics, programming and network administration

1990 – 1999 Compulsory school, Årbyskolan, Eskilstuna, Sweden

WORK



2007 – 2008, Assistant/responsible technician, IRIL at Mälardalen University, Västerås, Sweden

The Industrial Research and Innovations Lab (IRIL), is a cooperation between Ericsson, ABB and Mälardalen University. My primary tasks where to develop and deploy the lab environment, assist in supervision of thesis's and give basic training of the lab hardware.



2006, 2007 Traffic planning, Riksfärdtjänsten Sverige, Eskilstuna

Worked with optimization of traffic routes. The company offers a transportation service for the disabled.

OTHER

Possesses a drivers license

Writes and speaks Swedish fluently (native language)

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SAMPLES OF WORK

M.Sc. Thesis



The thesis is titled: *Event-driven Performance Measurements and Analysis of Complex Real-time Systems*. The thesis describes how to visualize and analyse performance of software using statistical CPU behaviour sampling - and how such a tool was implemented for Ericsson's *Connectivity Packet Platform* (used in their third generation mobile network solution).

http://mikael.krekola.se/krekola_nilsson-msc_thesis.pdf

SOOGL



SOOGL is a simple OOP game library. It is primarily used for beginners in C++ and is developed at Mälardalen University. The library has several features; from sound playback to network and windowing management.

The library has been used in several courses at Mälardalen University, other schools have also shown interest in the project.

<http://soogl.sf.net>

AWARDS AND NOMINATIONS

2008. The VU Fellowship Programme

A scholarship from the Vrije Universiteit of Amsterdam

2006, 2:nd place, Combined and 64k demo

Participated for the first time in a contest at Dreamhack W 2006