

ERIK SUNDELOF

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Citizenship: Swedish

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Blog: <http://inthefieldonline.net/blog>

EDUCATION

- 2005-2006 **Reuters Digital Vision Fellowship, Stanford University**, Palo Alto, CA, USA
Developed new techniques for reporting audio, video, pictures and text back to different media sources on the web, with the aid of mobile technologies. Focused on user centric and visual design.
- 2000-2005 **Royal Institute of Technology, PhD in Numerical analysis**, Stockholm, Sweden
PhD in numerical analysis. Mathematical/chemical modeling and numerical simulation of reactive gas transport in porous media: Case studies: Surface oxide reduction in powder metal components. *Dissertation postponed as on leave.*
- 2000-2003 **Royal Institute of Technology, PhD Lic in Numerical analysis**, Stockholm, Sweden
PhD licentiate degree. Mathematical/chemical modeling and numerical simulation of reactive gas transport in porous media: Case studies: Carburization and surface oxide reduction in powder metal components
- 1996-2000 **Royal Institute of Technology, Master of Science**, Stockholm, Sweden
Focus on quantum mechanics, advanced mathematics, programming, numerical analysis and chemical modeling. Graduated in 4 years instead of the scheduled 4.5 years. Master thesis in PSGE-NMR techniques to follow transport phenomena.
- 1992-1995 **Katedralskolan**, Uppsala, Sweden
High school diploma, graduated top of class with special award in music and chemistry. Participated in the Olympics for Chemistry for high school students.

WORK EXPERIENCE

- 2003 - present **Barnraiser**, Uppsala, Sweden – *Core web developer*
- Developed permission systems, social networking systems, messaging platforms, login systems and completely web based newsletters.
 - Participating in the architecture of future releases and versions of the different software packages
- 2001 - present **Self employed**, Uppsala, Sweden – *Web developer, visual designer and web/technology architect*
- Specialized in LAMP, W3c standards, social media and legal issues, especially on the intellectual property side
 - Visual design on both the web, and print-outs. Expert knowledge in the requirements for graphical profiling and branding.
 - Some work samples
 - <http://7to10days.org> <http://www.suutra.com> <http://www.od.se>,
 - <http://inthefieldonline.net> <http://www.glamourbloggen.se> (fifth biggest blog in Sweden)
- 1998-2005 **Royal Institute of Technology**, Stockholm, Sweden – *Lecturer, teaching assistant*
- Linear algebra, Calculus, Physical chemistry, object oriented programming/abstract complex data structures, numerical analysis
- 1996-2001 **Uppsala University**, Uppsala, Sweden – *Laboratory Engineer*
- Mathematical simulations of different transport phenomena such as multi component diffusion, diffusion-convection flow combined with optical registration of transport phenomena
 - Developed a modified of form of dynamic light scattering and digitalization of image registration of time dependent concentration distributions for transport phenomena studies with advanced measurement techniques.

EXTRACURRICULAR ACTIVITIES & AWARDS

- Member of the elite Swedish academic student network Nova100.
- Numerous management and director positions in the internationally highly recognized choir, OD
 - project leader of two concert projects with the Swedish Radio Orchestra;
 - webmaster and system administrator of Orphei Drängar's external and internal webpage; for 4 years.
 - Management lead for the planning, development and launch of the new external webpage. Special attention for W3c standards, platform/browser independency and language modulization. *Hit rate: ~ 2000 unique visitors per day.*
 - development of an online ordering system of concert tickets;
 - deputy ticket master for 2 years with responsibility over the technological development of the resources
 - director of one forth of the choirs members for 3 years, managed 20 people
 - member of the admission board to select new members and the stipend board award stipends and other awards
 - developed the internal web resources and was head of the transition to a fully web based organization management
- National Instruments, Stockholm, Sweden, basic course in the instrumentation software LabView
- Received numerous stipends for music skills in elementary school, high school, and while at the university.
- Trained solo cellist and solo baritone
- Co-authored a book in numerical analysis for high school students
- Several interviews in newspaper and television on the new media area. Some examples:
 - 27th July CNN TV and Internet interview – <http://www.cnn.com/2006/TECH/internet/08/01/newblogs/index.html>
 - Discovery International Rewind 2006: <http://www.discoverychannel.co.uk/rewind2006/motor.shtml?vEpisodio=18>

COMPUTER SKILLS/LANGUAGES/LEADERSHIP TRAINING

- Fluency in **Swedish**, and **English**, conversational level French and German. Some basic knowledge of Persian.
- Special division of the Swedish military police (part of the special forces), group commander. Graduated with honor
- Advanced knowledge of designer software: Photoshop, InDesign, Illustrator, PageMaker . Proficiency of Microsoft Office, incl. Word, Powerpoint etc.
- Expert in social software, group dynamics, citizen media/new (multi)media, cellphone interaction and web 2.0.
- Programming professional level in Matlab, HTML/CSS; C++/Java, AJAX/XML/XSLT (advanced level) and PHP/MySQL. Knowledge in Perl. Operating systems: Windows, Linux and Unix.
- Good knowledge in cellphone applications and the corresponding architecture, especially on the user experience side
- References provided upon request.