Curriculum Vitae

1.	**Family name**	Rauma
2.	**First name**	Matias
3.	**Year of birth**	1974
4.	**Nationality**	Swedish
5.	**Civil status**	Married, three children

6. Education

Institution	Karolinska Institutet, Stockholm, Sweden
Date:	2003-2008
Degree(s) or Diploma obtained	PhD Engineering
Institution	Royal Institute of Technology, Stockholm, Sweden
Date:	1994-1999
Degree(s) or Diploma obtained	MSc Electrical Engineering

7. Language skills

Mother tongue: Swedish

Language	Reading	Verbal	Writing
English	excellent	excellent	excellent

8. Membership of professional bodies

None

9. Other skills

- Education and presentation
- Project management

10. Present position

System developer, Transrail Sweden AB

11. Years with the firm

2000-2002, 2012-

12. Key qualifications

- System development (C++, SQL, Java)
- Mathematical modelling
- Signal processing

13. Foreign Countries professionally visited

Country	Year
Iceland	2004
USA	2005, 2007
France	2006, 2008, 2010
South Africa	2009
Germany	2010
Canada	2010

14. Professional Experience Record

Date:	2000-2002, 2012-
Location:	Stockholm, Sweden
Company:	Transrail Sweden AB

Transrail is a professional firm, with the prime objective to provide systems engineering services and advice on technical strategies in the transport sector, especially the railway sector. The company was started in 1995.

Position: System developer

Description:

2000-2002

System developer in the project Trains Scheduling, a computer system for scheduling and management of railway traffic, rolling stock fleet and train crews. A more detailed description of the Trains scheduling system is found at the following link: http://www.transrail.se/new/scheduling.html

Date:	2009-2011
Location:	Solna, Sweden
Company:	Karolinska Institutet
Position:	Researcher
Description:	Mathematical modelling

15. Others

Selection of Courses/Certificates:

None

Publications:

Predicting the absorption of chemical vapours. Adv Drug Deliv Rev, 2012.

Comparison of the thermogravimetric analysis (TGA) and Franz cell methods to assess dermal diffusion of volatile chemicals. Toxicol In Vitro, 2009.

Assessment of dermal absorption by thermogravimetric analysis: Development of a diffusion model based on Fick's second law. J Pharm Sci, 2009.

A new technique to assess dermal absorption of chemical vapor in vitro by thermogravimetric analysis (TGA). Karolinska Institutet, 2008.

Basis for skin notation. Part 1. Dermal penetration data for substances on the Swedish OEL list. Arbete och hälsa, 2008.

A computer-controlled system for generation of chemical vapours in in vitro dermal uptake studies. Skin Res Technol, 2007.

A new technique to assess dermal absorption of volatile chemicals in vitro by thermal gravimetric analysis. Toxicol In Vitro, 2006.