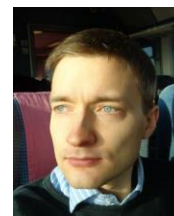


Personal and contact details

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**Education****M.Sc. Biotechnology**

University of Turku, 12.6.2014

Major: Biotechnology

Minor: Process engineering

Thesis: The effect of miRNAs to the regulation of triple negative breast cancer

M.Sc. Mechanical Engineering

Helsinki University of Technology, 18.12.2006

Major: Energy engineering and environmental protection

Minor: Physical chemistry and electrochemistry

Thesis: Gas evolution at lead anodes (done for minor subject)

Matriculation examination

Normal Lyceum of Helsinki, 3.6.2000

Diploma of Conservatory

The Conservatory of Central Helsinki, 30.5.2000, majoring in the cello

Language skills

Finnish	Mother tongue
English	Very good
Swedish, Chinese, German	Good
Russian	Adequate
French, Spanish	Basic

Employment history**Master's Thesis Worker, Hans Knöll Institute, 9/2013-5/2014**

- The effect of miRNAs to the regulation of triple negative breast cancer cells.
- Place: Jena, Germany.
- Mixed Integer Programming, t-tests, enrichment tests, etc. with R programming
- Cooperation with laboratory work at German Cancer Research Center (DKFZ) in Heidelberg
- Presentations, literature survey, organisational skills, and international research work

Summer trainee, Finnish Museum of Natural History, 05/2013-08/2013

- Conducting R language testing with phylogenetic tree data and training Perl language
- Translating Chinese and Japanese descriptions of insects to Finnish, insect collections

Design Engineer, Outotec Inc./Lamprotek Inc., 02/2011-06/2011

- Solid Edge and Finnish Vertex 3D design program were used alongside with corporate databases systems
- Design engineering tasks for process equipment used in the filtering of minerals

Data Saver, National Institute for Health and Welfare (HW), 10/2010-11/2010

- Statistical evaluation of the meeting procedures of the executive groups of sections and fields of HW for the use of strategic unit of HW
- Data saving of agreement policy between HW and Ministry of Health to internal database and making a correspondent saving instruction

Design Engineer, Neste Jacobs Inc., 5/2007-11/2009

- Responsible of the process plant equipment (e.g. filters, safety valves) tasks at plant design division: technical purchase requisition documents and drawings, strength calculations, quotation comparison and checking vendor documentation
- Revising the fire protection and safety valve specifications of Neste Oil Inc.

- Assisting the Austrian pilot plant project of Borealis Inc. in mechanical and process design, checking vendor documentation, adjusting plans and actions according to the change of calculations and on-site flaw observations
- Computer programs used: Projectwise (document control), Kronodoc (enterprise resource planning (ERP)), Solid Edge and Microstation (2D and 3D drawing) and Visual Vessel Design (strength calculations)
- This assignment required independent organization skills, mathematical deduction skills and good interaction skills both to clients and co-workers
- I received excellent evaluation of my professional skills and behaviour to the work certificate from Neste Jacobs Inc.

Master's Thesis Worker, Outotec Research Inc., 5/2006-12/2006

- Topic was oxygen evolution at lead anodes for zinc electrowinning
- Work carried out in the Laboratory of Physical Chemistry at the Aalto University of Technology. It was a part of a project of Outotec Research Inc.
- Project meetings and presentations were given in English
- Goal was to find proper materials to enhance the energy efficiency of an industrial electrochemical process
- Optical methods were used alongside electrochemical methods
- Required team working skills in a matrix organisation

Assistant of Mathematics, Helsinki University of Technology, 8/2003-9/2003

- Task was to teach a mathematical program in a basic course
- Assignment included also supervising an exam and answering to students' questions about the program. Student pass rate was 100%

Construction apprentice, Raitasauma Inc., Helsinki, 5/2002-7/2002

- Job included assisting facade constructions site tasks including covering, painting and cleaning

Additional - Project worker, Wärtsilä Inc., 1/2006-5/2006

- Student assignment done together with Wärtsilä Inc., Helsinki University of Technology and Kungliga Tekniska Högskolan (KTH, Stockholm, Sweden)
- Goal was to give a justified proposal for the most suitable supplier of decentralised energy system (e.g. ORC, absorption chillers)
- The project meetings were held online, awarded maximum grade of 5/5

Computer skills

Professional	EKI (process design), Kronodoc (ERP), Projectwise (document control), ProSim (plant design and process), Visual Vessel Design (strength analysis), GAMS (ERP), Electrochemie GPES (electrochemical software), SolidEdge, Microstation V8 XM, Vertex
Programming	HTML, Visual Basic, Java, Perl and R language
Mathematical	Matlab, Simulink (dynamical functions) and Mathematica
Graphics	PhotoShop, Paint Shop Pro, IrfanView and ImageJ (particle number and size analysis)

Activities

Interests are mainly musical, playing the cello in an orchestra. Also jogging, skating, reading books, Chinese, travelling and keeping a diary

Referees

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