CURRICULUM VITAE of Jonas Frantz

Jonas Frantz
Muuritie 5
02330 Espoo
Finland

Tel : +358-20-572 5693 (work)
+358-40-536 5826 (mobile, home)
Email : jonas@frantz.fi
WWW : http://www.frantz.fi

PLACE AND DATE OF BIRTH

Vaasa, Finland, 12 April 1977.

MARITAL STATUS

Married, two daughters born in 2006 and 2008.

EDUCATION

BSc in Economics and Business Administration, Hanken School of Economics, Helsinki, 2010.
I majored in Management and Organisation with a minor in Information Systems Science. My thesis examined organisational learning in the context of learning enablement by the leadership.

PhD in Computational Physics, University of Helsinki, 2004.
The topic of the PhD thesis was *Kinetics of Nanoclusters on Surface and in Thin Films*. The thesis was examined by Dr Hannu Häkkinen (University of Jyväskylä) and Doc Jouko Nieminen (Helsinki University of Technology). Dr Michael Moseler (Fraunhofer IWM, Germany) acted as opponent of the dissertation. The thesis is available at `http://ethesis.helsinki.fi/julkaisut/mat/fysik/vk/frantz/`.

MSc majoring in Computational Physics, University of Helsinki, 2001.
The topic of the masters thesis was *MD-Simulation of Radiation Defects in Group IV-Semiconductors*, it was examined by Prof. J. Keinonen and Prof. C. Montonen. Minor in Theoretical Physics and Computer Science.

Matriculation examination 1996, Vasa Övningsskolas gymnasium, Vaasa, Finland.

CAREER

Accenture

5/2007 – present	Consultant, Technology Architect

Estlander & Rönnlund Capital Management

1/2006 – 4/2007	Model Risk Manager
8/2004 – 4/2007	Investment Strategy and Implementation Developer

University of Helsinki, Accelerator Laboratory

7/2001 – 7/2004	Research Assistant
9/2000 – 5/2004	Linux System Administrator
6/2000 – 8/2000	Research Assistant
6/1999 – 8/1999	Research Assistant

Helsinki University of Technology, Physics Department

2/2004 – 3/2004	Temporary Lecturer

SPECIAL SKILLS

System architecture planning and design. Creating a vision for the overall system architecture, building reference architectures and proofs of concept. Providing architectural support during system delivery. Architecture audit and preparation of plan for architectural improvements.

Delivery of project-based work. Managing software projects and leading small teams delivering projects. Working with clients during all phases of project delivery. Ensuring fulfillment of requirements, business needs and managing client expectations.

Development and analysis of systematic investment strategies. Extensive experience in building solutions for electronic trade of financial derivatives using computer modeling and simulations. Insight into the characteristics of trading financial derivatives and the hedge fund business in general.

Modeling and simulation of physical systems. Development and programming of numerical analysis algorithms. Simulation of atomistic systems using Molecular Dynamics and Monte Carlo methods. Experience in developing simulation programs with high performance computing requirements.

Presentation of results and progress. Preparation of reports of results and progress. Ability to present reports according to audience context.

Insights into open source development and communities. Several years of experience with Linux system administrating, including hardware and software configuration. Insights into the workings of open source communities, practicalities of open source software development, and open source licenses and licensing models.

PROGRAMMING LANGUAGE SKILLS

Java	Excellent
C	Excellent
PHP	Very good
Matlab	Very good
SQL	Very good
Fortran	Good, includes parallel processing programming using MPI

LANGUAGE SKILLS

Swedish	Native proficiency, mothertongue
Finnish	Full professional proficiency
English	Full professional proficiency
Japanese	Elementary proficiency
German	Elementary proficiency

PUBLISHED SOFTWARE

g3data - a program for extracting data from scanned graphs.
`http://www.frantz.fi/software/g3data.php`
(Licensed under GNU GPL)

gdpc - a program for visualising molecular dynamics simulations.
`http://www.frantz.fi/software/gdpc.php`
(Licensed under GNU GPL)

CERTIFICATIONS

Certified Scrum Master 12/2007

COMMISIONS OF TRUST

Oy Botta Ab
- Member of the board 2012

Asunto Oy Penkka (Penkka appartment Ltd)
- Member of the board 2008
- Member of the board 2007
- Member of the board 2006

Asunto Oy Kulmavuorenkatu 4 (Kulmavuorenkatu 4 appartment Ltd)
- Member of the board 2004
- Member of the board 2003

Fysikersamfundet i Finland rf (The Physical Society in Finland)
- Member of the board 2004
- Chairman of the board 2003
- Chairman of the board 2002
- Treasurer 2001

Vasa nation, University of Helsinki
- Member of the board 1999

REFERENCES

Prof. Kai Nordlund (University of Helsinki)

Email : knordlun@acclab.helsinki.fi

Tel : +358-9-191 50007

MILITARY SERVICE

240 day military service served 1996 – 1997, military rank in the reserve: Corporal.

HOBBIES

Computer software programming, cross-country running, cooking, wine tasting.