

THOMAS JANSSON

PERSONAL SUMMARY Thomas R. N. Jansson (b. 1982)
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My key strengths lies in the combination of natural- and computer science to quickly understand and solve complex problems. I have an open mindset and an inquisitive personality backed by 10+ years of experience in problem solving. This experience places me somewhere between a data scientist/engineer and a traditional physicist, as a person who can quickly adapt in the changing environment between data and commercial interests. In this new world order where data-driven decisions is becoming increasingly important I have an unique combination of skills to not only understand the data but also disseminate key findings to stakeholders across multiple disciplines. I have routinely been exposed to large, noisy and inconsistent data sets and in this work I have matured a mindset to deal with data in a creative and structured manner.

In my recent roles the tasks have often been quite multifaceted from meetings with technical clients and decision makers, managing projects to modeling data and developing data processing pipelines in Python. Each project and data set provides an unique set of challenges and I have found that a analytic and thorough approach is the most consistent way to achieve good results. Many of my stakeholders have used my results to guide both their short and long-term investments. It is therefore important to me to be both technically strong and a good communicator in my work.

SELECTED JOB EXPERIENCES

- 2018 Jun** → Senior Data Scientist at **Connected Cars** with the primary role of exploring new ways of producing, processing and analyzing the large amounts of sensor data from the 60.000 cars (Jun 2018) currently enlisted.
- 2018 Jan** → **2018 Jun** Data Scientist at **Maersk Tankers** with primary roles in developing prototypes, optimizations, visualizations of tanker shipping data.
- 2014 Mar** → **2018 Jan** Senior consulting geophysicist at **Qeye Labs** with roles as project manager and python developer. All software was developed in-house. The clients were national and international oil companies.
- 2013 Feb** → **2014 Mar** Geophysics consultant and Linux system administrator at **Qeye Labs**. The first employee in the newly founded company.
- 2009 Apr** → **2013 Feb** Geophysicist in **Schlumberger's** Data & Consulting Services, the world's largest oilfield services company. Additionally, I also served as a systems administrator for 40+ Linux servers in three countries.
- 2006 Aug** → **2009 Feb** Unix system administrator at the Geological Institute, **University of Copenhagen**. Administrated Linux and Solaris servers and a Linux cluster.
- 2006 Jan** → **2009 Dec** Owner and developer of the consulting IT company: **Thomas Jansson IT**. Focused on system administration, scientific and web programming.

EDUCATION

- 2008** Masters degree in geophysics from the University of Copenhagen.
- 2006** Bachelor degree in physics from the University of Copenhagen.

- COMPUTER SKILLS** **Skills** Python developer for 10+ years using pandas, numpy, scipy, scikit-learn, bokeh, seaborn, folium, flask, Jupyter notebooks etc. Daily user of Git, vim and extensive experience with L^AT_EX₂ ϵ , bash, tcsh, fortran, SQL and many others. Experience with flask APIs and python apps in Dockers. Worked professionally with VMs, dockers and kubernetes in Azure cloud and Google compute engine. Read more at www.tjansson.dk and github.com/tjansson60.
- System administration** Linux user since 2001 and certified Red Hat Linux Engineer (RHCE). Professionally managed Red Hat Enterprise Linux servers, Linux clusters, NetApp filers and Sun Solaris servers. Windows and OS X at power user level.
- SELECTED PUBLICATIONS AND CONFERENCE CONTRIBUTIONS**
- T. R. N. Jansson, *Using a sledgehammer to crack a nut: A machine learning model to sell my car*, DataTech Pro, online industry magazine for data and analytics - goo.gl/FFtUdK (November, 2018)
- T. R. N. Jansson, *Traffic insight from telematic data*, NEXT-ITS 3 workshop on Data Acquisition, Stockholm, Sweden (October, 2018).
- T. R. N. Jansson, et al., *PP-PS Simultaneous AVO Inversion of OBS Data covering the South Arne Field*, EAGE/SEG Workshop on Marine Multi-Component Seismic, Kuala Lumpur, Malaysia (August 2018).
- P. Avseth, F. Horn and T. R. N. Jansson, *Zumba vs. Cara. From failure to success in geophysical QI derisking*, NCS Exploration, Oslo (May 2017).
- T. R. N. Jansson, et al., *Uncertainty estimates on prestack inversion for a Central North Sea sandstone injectite field*, Geoconvention 2015, Calgary.
- R. Forsberg, T. R. N. Jansson, et al, *Development of a Python interface to the GRAVSOFIT gravity field programs.*, IAG 2009 - Geodesy for Planet Earth, Buenos Aires.
- T. R. N. Jansson, et al., *Polygons on a Rotating Fluid Surface*, Physical Review Letters **96** 174502 (2006).
- SELECTED COURSES**
- 2018, Copenhagen** Certified ScrumMaster.
- 2017, Online** Machine Learning by Stanford University on Coursera. Certificate earned.
- 2014, Amsterdam** Broadband technologies.
- 2013, London** Seismic Reservoir Characterization: Earth Modeling.
- 2012, Paris** Schlumberger's OFS3 course - Managing and leading your people.
- 2011, Oslo** Red Hat RHCE Rapid Course for RHEL6. RHCE certificate earned.
- 2009, Copenhagen** Data ONTAP Fundamentals for NetApp filers.
- SELECTED EXTRA ACTIVITIES**
- Ongoing from 2007** Web editor at www.kvant.dk - the members magazine for the Danish physicists society (DFS)
- 2016** Completed the Cologne marathon in Germany.
- 2008** Attended a European Space Agency sponsored summer school in Alpbach, Austria.
- 2007** → **2008** Board member in the geophysical student union (GSF).
- 2006** Studied 6 months at the world's northernmost higher education institution: the University Center in Svalbard located in the arctic ocean, 78°N.
- 2001** → **2008** Editor and editor in chief for several periods of *Gamma*. *Gamma* was a student-operated physics magazine sponsored by the Niels Bohr Institute. 3000 printed copies four times a year.