

THOMAS JANSSON

PERSONAL SUMMARY Thomas R. N. Jansson (b. 1982)
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My key strengths lie in the creative combination of natural- and computer science enabling me to quickly understand and solve complex problems. I have an open mindset and an inquisitive personality backed by 10+ years of experience in real world 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 my recent roles, my work has been quite diverse including managing and developing a team of data scientists, meetings with technical clients and decision makers, managing projects, hands-on modeling of data and developing data processing pipelines in Python. My guiding principle in curating a high-performing data science team is to foster a culture of curiosity where all questions are allowed and encourage development through team activities such as hack weeks and study groups. It is also quite important to me that the code base of my team is easy to read and thus maintainable with as much test coverage as possible. Finally, I enjoy public speaking and have given talks at many conferences and technical meet-ups in the recent years.

SELECTED JOB EXPERIENCES

2019 May → Head of Data Science at [Connected Cars](#) managing and leading a team of data scientists in exploring, processing and analyzing large amounts of car sensor data. The team handles the complete flow from idea to production with unit/integration tests, database migrations, integration to external sources and exposure to stakeholders through API's, dashboards, etc. In the team I have also implemented semi-annual research weeks and bi-weekly conference video sessions where we watch the latest tech talks to stay current with new developments.

2018 Jun → **2019 Apr** Senior Data Scientist at [Connected Cars](#).

2018 Jan → **2018 Jun** Data Scientist at [Maersk Tankers](#) with primary roles in developing prototypes, optimizations, visualizations of tanker shipping data.

2013 Feb → **2018 Jan** Senior consulting geophysicist at [Qeye Labs](#) with roles as project manager, python developer of new technologies and Linux system administrator. All software was developed in-house. The clients were national and international oil companies.

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	<p>Programming Python developer since 2006 using all the classic tools as pandas, numpy, scipy, scikit-learn, seaborn, flask etc, for both exploration and systems administration/integrations. Daily user of Git, vim and SQL, but also quite experienced with $\text{\LaTeX}2_{\epsilon}$, bash, tcsh, fortran etc. I have been managing many different Linux systems, but in the later years most of this has been done in kubernetes in Google Cloud Platform or Azure. See tjansson.dk and github.com/tjansson60.</p> <p>System administration Linux user since 2001 and certified Red Hat Linux Engineer (RHCE). Professionally managed medium sized Red Hat Enterprise Linux servers, Linux clusters, NetApp filers and Sun Solaris servers. Windows and OS X at power user level.</p>
SELECTED PUBLICATIONS, CONFERENCE CONTRIBUTIONS OR PUBLIC TALKS	<p>T. R. N. Jansson, Applied physics in the industry, DTU physics guest lecture, Copenhagen, 2019-May</p> <p>T. R. N. Jansson, Visualizing Geospatial Data in Python, PyData CPH, 2020-Feb</p> <p>T. R. N. Jansson, Big data & mobility insights, Invited speaker to DTU High Tech Summit, Copenhagen, 2019-Oct</p> <p>T. R. N. Jansson, Data and insights at Connected Cars, DTU lecture at Mobility in the Smart City, Copenhagen, 2019-Jun</p> <p>T. R. N. Jansson, Keynote: Creating data driven workshop loyalty, Caruso partner connect, Cologne, 2019-Jun</p> <p>T. R. N. Jansson, Monte Carlo methods in the industry, DTU physics guest lecture, Copenhagen, 2019-Mar</p> <p>T. R. N. Jansson, Data science at Connected Cars, PyData CPH, 2019-Feb</p> <p>T. R. N. Jansson, Using a sledgehammer to crack a nut: A machine learning model to sell my car, DataTech Pro - goo.gl/fFfUdK, 2018-Nov</p> <p>T. R. N. Jansson, et al., Quantifying inversion results uncertainties, Force seminar, Stavanger, 2017</p> <p>T. R. N. Jansson, et al., Polygons on a Rotating Fluid Surface, Physical Review Letters 96 174502 - doi.org/10.1103/PhysRevLett.96.174502, 2006</p>
SELECTED COURSES	<p>2018, Copenhagen Certified ScrumMaster.</p> <p>2012, Paris Schlumberger - OFS3 course: Managing and leading your people.</p> <p>2011, Oslo Red Hat Linux Certified Engineer Rapid Course for senior Linux system administrators who want to validate their competency by earning the RHCSA and RHCE credentials for Red Hat Enterprise Linux 6. Certificates earned.</p> <p>2009, Copenhagen Data ONTAP Fundamentals for NetApp filers.</p>
SELECTED EXTRA ACTIVITIES	<p>2020 → Approved external examiner at DTU covering mathematics, physics etc.</p> <p>2007 → Web editor at www.kvant.dk - the members magazine for the Danish physicists society (DFS)</p> <p>2016 Completed the Cologne marathon in Germany.</p> <p>2006 Studied 6 months at the world's northernmost higher education institution: the University Center in Svalbard located in the arctic ocean, 78°N.</p> <p>2001 → 2008 Editor and editor in chief for several periods of <i>Gamma</i>, a 3000 copies per quarter Niels Bohr Institute funded magazine.</p>