

CONTACT

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SUMMARY

Experienced developer with an interest in data analysis and statistics. Former researcher in climate science with extensive experience in development, application and analysis of climate models and large data sets. Comfortable in Python, Git, and Linux environments. Recently completed an advanced training course in Python, cloud services and IT security.

SKILLS

Agile/Scrum	1+ år
Version control	5+ år
Technical calculations	5+ år
Statistics/Forecasts	5+ år
Data analysis/Modeling	5+ år
Technical documentation	5+ år
System administration	5+ år
Virtualization	2+ år

LANGUAGES

Swedish	Native
English	Fluent
German	Basic

OTHER

Scientific publications

23 articles published in peer-reviewed journals (1000+ citations). [🔗](#)

Presentations

Presentations at dozens of international conferences.

Andreas Jonsson

Developer with experience in data analysis

WORK EXPERIENCE

System administrator

TP Consulting, Stockholm [🔗](#)

2020 - 2022

Responsible for servers, virtualization and network monitoring in Linux environment (installation, maintenance, troubleshooting, and tutorials).

Technologies: DevOps, Ansible, Proxmox, Zabbix, WordPress, PHP

Investigator

European Space Agency (ESA): SPARC Initiative [🔗](#)

2012 - 2014

Analyzed satellite data for an international research conglomerate and was responsible for documentation and delivery of a report to ESA.

Technologies: MATLAB, Google Docs

Research associate

Department of Physics, University of Toronto, Canada [🔗](#)

2006 - 2012

Responsible for the development and maintenance of a central module in a world-leading climate model (software development, data analysis, technical calculations). Research: Long-term projections of atmospheric composition and climate using coupled chemistry-climate models and data assimilation systems. Statistical attribution of stratospheric temperature and ozone trends, and development of algorithms for inter-comparison and merging of model data with satellite-measured data.

Technologies: MATLAB, Fortran, R, Linux

EDUCATION

System Developer Python and IT security

Lexicon Yrkesutbildning, Stockholm [🔗](#)

2021 - 2022

Advanced training for programmers: Frontend, backend, databases (SQL), REST API, JavaScript, Python, OOP, Azure Cloud, IT security, networking, TCP/IP, encryption, ethical hacking, pentesting. [🔗](#)

Ph.D. Atmospheric Physics

Department of Meteorology, Stockholm University [🔗](#)

1998 - 2006

Developed computer models for simulation of atmospheric phenomena and satellite measurements, and performed statistical analyses and forecasts.

Master of Science in Engineering Physics

Royal Institute of Technology (KTH) [🔗](#)

1990 - 1996

Degree project: Developed a model that simulates the chemistry and radiation physics of the ozone layer.

VOLUNTEERING

Mathematics tutor

Mattecentrum [🔗](#)

2020 - 2022

Helping kids develop their math skills.

PROJECTS

Nej eller Ja

<http://nejellerja.se/>

2022

Developed an interactive web application in Django for the art project "Nej eller Ja".