



Sergey Khrapak

Data Analyst
Theoretical Physicist
Researcher

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SKILLS

- Data analysis
- Theoretical Physics
- Critical thinking
- Research
- Teamwork
- International collaboration
- Practical attitude with analytical view

TOOLS

- Mathematica
- Excel
- Tableau
- Power BI
- Python
- SQL

Special Courses

DATA ANALYTICS

CarrierFoundry — 10.2024-04.2025

POWER BI

Eduson — 06.2023-02.2024

SUMMARY

Data analyst with scientific background. Over 25 years research experience specializing in theoretical physics, complex data analysis, mathematical modeling, and problem-solving. Recently made a deep dive into data analytics, developing expertise in Python, Power BI, Tableau, SQL, and statistical analysis to uncover insights and drive data-based decision making.

EXPERIENCE

DATA ANALYST, The Marcom Engine (Freelance Role)

Munich, Germany — 2023-2025

Development of Power BI tools for financial department (Financial Reporting, Rentability, Costs Analysis)

SENIOR THEORETICAL PHYSICIST, Joint Institute for High Temperatures (Remote Role)

Moscow, Russia — 2021-2025

Remote academic research position

SENIOR RESEARCHER, Bauman Moscow State Technical University

Moscow, Russia — 2020-2022

Part time position as a PI of the project “Collective dynamics, elastic and transport properties of classical fluids in different regimes of interparticle interaction”

THEORETICAL PHYSICIST, German Aerospace Center (DLR)

Oberpfaffenhofen, Germany — 2014-2021

Theoretical support for Plasma Kristall (PK) experimental program onboard International Space Station.

CHAIR OF EXCELLENCE, Aix-Marseille University

Marseille, France — 2015-2018

PI of the project “Research Axis for Interdisciplinary Plasma Physics”. Group Leader. Theoretical research into fusion plasma, complex plasma and soft condensed matter.

RESEARCH SCIENTIST, Max-Planck-Institute for Extraterrestrial Physics

Garching, Germany — 2000-2013

Theoretical support for Plasma Kristall (PK) experimental program onboard International Space Station. Discovery of new effects in plasma-particle interactions.

EDUCATION

PHD IN PLASMA PHYSICS AND CHEMISTRY

Moscow Institute of Physics and Technology — 1996-1999

M. S. IN PHYSICS AND APPLIED MATHEMATICS

Moscow Institute of Physics and Technology — 1990-1996