ALEXANDER MARKOV

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Researcher with a background in computational chemistry, seeking a new job in the tech. Enjoys programming, studies extensively, and aims to collaborate well.

TECH SKILLS

Python

Programming, exploratory data analysis, visualization (e.g., Matplotlib recipes)

Administrating GNU/Linux

Bash, installing and configuring Debian, networks

Computational Chemistry Software

Using and installing in GNU/Linux and HPC environments, supporting users

HTML/CSS, LaTeX, git, Jupyter, SQL

WORK EXPERIENCE

Researcher, Senior Researcher   Apr 2010 – Jan 2023

Kurnakov Institute of General and Inorganic Chemistry of RAS

- Authored or co-authored over 20 scientific publications, covering topics in quantum chemical modeling, physical inorganic chemistry, and catalysis (Google Scholar)
- Reported scientific results at international conferences
- Led grant projects and supervised students
- Built multi-user computational cluster running quantum-chemical codes 24/7

EDUCATION AND CERTIFICATES

Linux Professional Institute Certificate

LPIC-1: Linux Administrator

Cambridge Certificate in English

CEFR Level B2

PhD in the field of Physical Chemistry

Kurnakov Institute of General and Inorganic Chemistry of RAS

Diploma in Physics

Voronezh State University, Department of Physics

Linear algebra, Calculus, Mathematical analysis, Differential calculus, Probability theory and statistics, Regression analysis