ALEXANDER MARKOV

BUENOS AIRES   +54 9 11 2774-9593

LINKEDIN   ALEXANDER.MARKOV@GMAIL.COM   GOOGLE SCHOLAR   WWW.AMARKOV.NET

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: Flask, Matplotlib, NumPy, Pandas, SciPy, Seaborn
Programming, exploratory data analysis, visualization (e.g., Matplotlib recipes)

Git, HTML/CSS, Jupyter, SQL

Administrating GNU/Linux
Bash, installing and configuring Debian, networks, virtualization

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

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WORK EXPERIENCE

Web Developer   Since Dec 2024
One-man software shop

Busy with building a web application using Python, Flask, and SQLite: SaaS for small businesses

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)
- 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
Quantum chemistry, Chemical thermodynamics and kinetics

Diploma in Physics
Voronezh State University, Department of Physics
Linear algebra, Calculus, Mathematical analysis, Differential calculus, Probability theory and statistics, Regression analysis