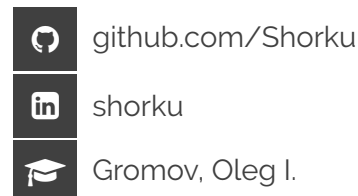
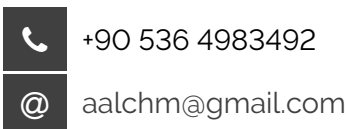


# Oleg Gromov

## Computational Chemist



### PERSONAL DATA

Citizenship: Russia

Location: Turkey, prefer remote or relocation

### SUMMARY

Computational chemist with 12 years of research experience and PhD in (physical) chemistry. Routinely used Python to build automation tools for benchmarking modern computational chemistry methods/conformer search/ML applications. Worked in multidisciplinary teams in close contact with experimental researchers. HPC user.

### SKILLS

- Experienced user of modern computational software (ORCA, GAMESS (US), Gaussian, LAMMPS)
- Excellent programming skills (Python, Matlab, C++, bash)
- Proficiency with infrastructure (Linux, Git, Docker, PyCharm, SQL)
- Experience with ML/DL and scientific libraries (TensorFlow, Keras, RDKit, Pandas, NumPy, NLOpt, matplotlib)
- Other software: ChemCraft, Origin

### WORK EXPERIENCE

2010 — 2022     **Researcher**

**Chemistry Department, Lomonosov Moscow State University**

- Quantum-chemical calculation of short-lived species (PES, spectral parameters, degradation path etc.) using DFT, CASSCF, DLPNO-CCSD etc
- Scientific literature analysis and scientific paper writing (co-authored 34 papers including 8 papers as a first or a sole author)
- Deep learning (TensorFlow, Keras) of material properties based on quantum-chemical data (automated generation using RDKit and ORCA): ongoing project, to be published soon
- Processing, analysis, and visualization of experimental and simulated data, including the fitting of spectral and kinetic data using in-lab or self-written software
- EPR experiments using high-vacuum and high-pressure (under supercritical conditions) equipment

2010 — 2021     **Data analyst**

(part-time job)     **Azotecon-plus, Moscow**

- Preparation of monthly statistics on the Russian fertilizer market
- Automation of data parsing (from the web, Excel, pdf) and market report assembly using Python

### EDUCATION

2004 — 2010     **Specialist's degree**  
Chemistry

**Lomonosov Moscow State University, Moscow**

2010 — 2013     **PhD**  
Chemistry

**Lomonosov Moscow State University, Moscow**

## **ADDITIONAL EDUCATION**

08/2021

Deep Learning Specialization, Coursera

## **LANGUAGES**

English: Professional working proficiency

German: Limited working proficiency

Italian: Elementary proficiency

Turkish: Elementary proficiency

Russian: Native