

Nikolenko Sergey Albertovich

Russian citizen, 22 years old, living in Moscow
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Education

Higher education: Russian University of Chemical Technology named after D.I. Mendeleev, 2018–2023.

- Faculty of Fundamental and Applied Chemistry
- Profile "Medical Chemistry", diploma with the right to teach

Work experience:

- **INTERNSHIP AT IN SILICO COMPANY, PRESENT TIME.**

As part of my internship at In Silico medicine, I am gaining experience in the Chemistry42 department. My supervisor is helping me to learn Medical and Computational Chemistry, as well as covering current topics and trends in this field.

Scientific activity:

- **Molecular Medicine Laboratory, FNCC FHM**

Participated in research in the field of molecular medicine, DNA isolation, and qRT-PCR for gene expression analysis.

- **Skoltech Laboratory of Industrial-oriented Materials Search**

- Conducted research in the field of calculating the structure and properties of molecular co-crystals.

During my work, I used calculation packages such as QE, LAMMP, USPEX algorithm, and visualization and data processing tools such as matplotlib and VESTA. I wrote scripts using DeepMD, ACE tools. I also worked on a cluster.

- **Laboratory of Structural Bioinformatics, V.N. Orekhovich Institute of Biomedical Chemistry**

Conducting research on the binding of estradiol to the estrogen receptor as a potential carrier of target groups using molecular docking and molecular dynamics methods for a specialist degree thesis in medical chemistry. I use tools such as AutodockVina, Smina, VinaGPU, Gromacs, MMGBSA, Prolif.

Personal qualities:

- Possess a high level of self-education and the ability to deeply study various disciplines:

Molecular Biology

Biochemistry

Medical Chemistry

Chemoinformatics

I have compiled an extensive collection of flashcards for effective memorization and deep understanding of the material.

- Use systematic self-organization methods such as:
 - Cognitive maps (including in studying),
 - Pomodoro
 - Drawing up training programs.
- Can build long-term plans and follow them, as in the case with the marathon, which I prepared for a couple of years.
- I have a high level of stress resistance, which allowed me to successfully work in different age teams and perform routine processes.

Skills and Hobbies:

- English language (including technical) - upper-intermediate level, continuing to improve with a private tutor.

Able to quickly learn new software and use tools such as:

QuantumESPRESSO

AutoDock Vina

OpenBable

swissADME

VESTA

PyMOL

GROMACS

ADMETlab 2.0

- Proficient in Python programming and confidently use Linux OS, including the command line and basic utilities.
- I constantly run, completed a marathon, and do not plan to stop.
- Read or listen to 1–2 books a week.
- I have a skill in touch typing in Russian (top 276 cpm) and am increasing my typing speed in English.