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## EDUCATION

**Lomonosov Moscow State University, Russia** 2015 - present

Bachelor of Science in Biology, Department of Bioengineering  
Major – Bioinformatics, Structural Biology, Biophysics, Biochemistry  
GPA: 4,96 (5,0 is max), state-funded student

**Physics and Mathematics Lyceum of the city of Kirovo-Chepetsk, Russia** 2004- 2015

Biological and chemical profile  
Certificate with golden medal (GPA 5.0, max 5.0)

## RESEARCH EXPERIENCE

2017 - present

### Integrative Biology Group

Moscow, Russian Federation Department of Bioengineering, Faculty of Biology, MSU

- ✓ Studying conformational transitions of bacteriorhodopsin in the process of a photocycle using methods of metadynamics
- ✓ Creating a Browser Application that calculates parameters of DNA structure from PDB and Förster resonance energy transfer

## SKILLS

Basic laboratory skills (biochemistry, spectroscopy, phoresis, gel filtration, titration); Programming language – Python; Scientific applications – VMD, GROMAX, PLUMED, CHARMM GUI

## AWARDS

**Winner at the "Pokori Vorobievsky gory" Olympiad in Biology, MSU** 2015  
(gives an opportunity to enter MSU without exams)

**Prizewinner at the "Phystech" Olympiad in Math and Physics, MIPT** 2015

## EXTRACURRICULAR ACTIVITIES

**Volunteering** 2015-2017

- ✓ assistance in holding the Moscow Mathematical Olympiad for high school students
- ✓ expert jury at the Moscow and All-Russian Tournament of young biologists

**Summer Practice in Pushchino Biological Station, Moscow** 2017  
Student

- ✓ Main knowledge in Spectroscopy and FTIR
- ✓ Chlorophyll fluorescence researches

**Summer Practice in Zvenigorod Biological Station, Moscow** 2016  
Student

- ✓ Monitoring of the avifauna and studying the biology of birds by catching, lifetime processing and banding (publication in the "Selected student research works conducted at summer field practice at S.N.Skladovsky Zvenigirid Biological station, volume 9, 2017)
- ✓ Studying the influence of growing conditions on the geometric parameters of plants of *Corylus avellana* L.