

# UranMaimkov

## Curriculum Vitae

Institutsky per. 6A  
Dolgoprudny, Russia, 141701  
☎ (+7) 925 533 04 65  
✉ maymekov.uz@phystech.edu  
🌐 UranMai

### Education

- 2019–present **Master of Science in Mathematics and Physics, Department of Bio–Medical Physics, Moscow Institute of Physics and Technology (National Research University), Moscow, Russia.**  
Specialization: **Bioinformatics and System Biology**  
GPA = 4/4
- 2015–2018 **Bachelor of Science in Mathematics and Physics, Department of General and Applied Physics, Moscow Institute of Physics and Technology (National Research University), Moscow, Russia.**  
Specialization: **Biophysics**  
GPA = 3.7/4
- 2008–2015 **High school, Physical and Mathematical lyceum 61, Bishkek, Kyrgyzstan.**

### Research Experience

- 2019–present **Master degree, Department of Bioinformatics, MIPT, Moscow.**  
Research project: Deep learning for 3D molecular interactions (Drug design)  
Application machine learning to predict binding affinity of protein-ligand complexes
- summer 2019 **Internship, Sazanov group: Structural biology of membrane protein complexes, IST Austria, Vienna.**  
Research project: Optimizing particle picking on cryo-EM micrographs
- 2018 **Bachelor degree, Department of Biophysics, MIPT, Moscow.**  
Research project: Study the influence of the antioxidants on mitochondria health under the oxidative stress conditions
- 2018 **61st MIPT Scientific Conference, Dolgoprudny and Moscow.**  
Participation with own poster on the topic "Research the antioxidants influence on the telomeres length"
- summer 2017 **Internship, Laboratory of Ion and Molecular Physics, MIPT, Moscow.**  
Research project: The application of tandem mass spectrometry to identify molecular biomarkers for early diagnosis of Alzheimer's disease

### Work Experience

- currently **Skoltech, Moscow, Russia.**  
Master diploma
- Each year **MIPT olympiads in physics and math.**  
Organizer olympiads in hometown, Bishkek, Kyrgyzstan
- 2016 **Maxwell Olympiad in physics, Sochi, Russia.**  
Student-jury of the final step of Olympiad

## Awards

- 2015 **46th IPHO**, *International Physics Olympiad*, Mumbai, India.
- 2015 **Absolute place**, *National Physics Olympiad*, Bishkek, Kyrgyzstan.
- 2014 **2nd Place**, *National Physics Olympiad*, Bishkek, Kyrgyzstan.

## Technical Skills

- Programming Github: UranMai, Python (PyTorch, PyTorch Geometric, Scikit-learn, NumPy), L<sup>A</sup>T<sub>E</sub>X, Bash, SQL
- Software ICM-Pro, Smina(docking), ImageJ(FIGI)
- Life Sciences FISH-methods, Fluorescence confocal microscopy, PCR, Gel Electrophoresis
- Online Machine Learning, Deep Learning (Andrew Ng, Coursera), Statistics courses

## Languages

- Kyrgyz Fluent
- Russian Fluent
- English Upper-Intermediate (B2/C1)
- German Intermediate (A2/B1)