

# Marat Gumerov

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## EDUCATION

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### New Economic School (NES)

Moscow, Russia

*Master of Arts in Economics; GPA: 4.58*

07/2022

**Relevant Courses:** Probability Theory, Mathematical Statistics, Econometrics,  
Machine Learning, Deep Learning, Empirical Industrial Organization,  
Macroeconometrics, Applied Microeconometrics

**Relevant Topics:** Linear, non-linear modeling, time-series modeling,  
multivariate optimization, Monte-Carlo simulation

### Moscow Institute of Physics and Technology (MIPT)

Moscow, Russia

*Bachelor of Applied Mathematics and Physics; GPA: 4.51*

07/2020

**Relevant Courses:** Algorithms and Data Structures, Calculus, Linear Algebra

## EXPERIENCE

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### Institute of bioorganic chemistry (IBCh)

Moscow, Russia

*Laboratory Technician*

10/2019-4/2020

- Obtained samples of scorpion toxin for testing following standard protocols.
- Performed laboratory testing to produce data and support scientific investigation

## PROJECTS

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### UW-Madison GI Tract Image Segmentation

*Kaggle Competition*

06/2022-present

- Developing the 2.5D image construction for increasing information density
- Using transformer model structure and model ensemble to increase accuracy

## SKILLS

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**Technical Skills:** Python, SQL, Excel, NumPy, Pandas, PyTorch

Sklearn, SciPy, Bash, R, Linux, MS Office, VS Code

**Soft Skills:** Initiative, Teamwork, Adaptability, Willingness to Learn

**Language:** English (Fluent)

Russian (Native)

Chinese (Novice)

## HONORS & AWARDS

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- Sergei Korepanov Scholarship for Academic Merit, New Economic School, 2021-2022
  - For ranking top 10 after the first year