Jakub Giezgała

Bioinformatics and Systems Biology Student
at the University of Warsaw

Date of birth: 08.12.2004

E-mail: jakubgiezgala@gmail.com

> *Biology and computer science - life and computation - are related. I am confident that great discoveries await those who seek them at their interface.*

Languages

- Polish (Native speaker)
- English – B2
- German – A2

Hard Skills

- Programming languages: Python, C++, Java, R, MATLAB
- Web development: `HTML`, `CSS`, `Django`
- Machine Learning in Python: `NumPy`, `Scikit-learn`, `SciPy`
- Deep learning in Python: `PyTorch`, `Torchvision`, `JAX`, `Pyro`, `Deeptime`
- Data analysis and visualization:
    - Python: `pandas`, `matplotlib`, `plotly`, `seaborn`, `Pillow`, `PyQt6`, `MEFISTO`, `Scanpy`
    - R: `ggplot2`, `tidyr`, `plotly`, `qqplotr`, `caret`, `shiny`
- Proficient in Microsoft Office
- Driving license – Category B

Soft Skills

- Willingness for self-development and perfection
- Analytical thinking
- Teamwork skills
- Good time management
- Honesty and reliability

Courses

- NVIDIA - Fundamentals of Deep Learning
- SANTANDER - Fundamentals cybersecurity with Poznan University of Technology

Education

University of Warsaw
Faculty of Mathematics, Informatics and Mechanics
Degree Course: Bioinformatics and Systems Biology
Third-year student

XVIII High School in Warsaw named after Jan Zamoyski
Math–Physics–Informatics profile
Graduated with honors in 2022

Experience

2021 – Present
Private tutoring in mathematics, physics and informatics (elementary and high school level, including final exam preparation)

2022 - Present
Active membership of the Bioinformatics Student Club (popularisation of science at research picnics: DOKO 2023/2024/2025)

Hackathons:

- QL Future Hackathon 2024 - Tech category

Scientific Conferences:

- Biomeeting, 24–26 May 2024, Poster Abstracts – *Using CNNs and ATAC-STARR-seq uncover predictive opportunities in regulatory genomics* & *From Cooperation to Competition: revealing stable correlations between features in the evolutionary game theory*
- International Student Biomedical Conference (*Biofusion*), 28-30 March 2025 – Bioinformatics workshop on sc-RNA data analysis pipeline