




Julia Łucyn

✉ lucynjulia@gmail.com



in julialucyn

🌐 https://github.com/jullucy

Work and Research Experience







- Oct. 2024 – ····  **Intern** Mossakowski Medical Research Institute, Polish Academy of Sciences
- April 2024 - June 2024  **Scientific Volunteer** Institute of Genetics and Biotechnology, University of Warsaw
- 2021  **Junior Restaurant Employee** TADEO-Tadeusz Staśkiewicz, Warsaw

Education

- Oct. 2023 – ····  **BSc in Computer Science, University of Warsaw** Warsaw, Poland.
Courses: *Concurrent programming, Object-oriented programming, Python programming, Databases, Computer architecture and operating systems, Geometry with linear algebra, Discrete mathematics*
-  **BSc in Biotechnology, University of Warsaw** Warsaw, Poland.
Courses: *Statistics, Molecular Genetics, Molecular Biology, Human Genetics, Microbiology, Bioprocessing Engineering, Basic Immunology, Animal biotechnology, Biochemistry*




Projects

University Projects

-  **DrugBank Database Analysis** (link)
Analyzed DrugBank data using **Python**, visualized drug interactions with NetworkX and Matplotlib and built a FastAPI-based REST API. Generated and processed synthetic datasets for expanded analysis. Developed an automated UniProt data retrieval system to enrich drug information.
-  **Computational Verification of a Combinatorial Hypothesis** (link)
Developed in **C** optimized implementation using concurrent programming.
-  **NAND Gates Simulation** (link)
Dynamically loaded **C** library for combinational Boolean circuits using NAND gates.
-  **Division** (link)
Implemented a function in **NASM x86** for efficient 64-bit division with remainder, handling large numbers in little-endian format.
-  **Stock Market Simulation** (link)
Developed in **Java** with a strong focus on object-oriented programming (OOP)
-  **Public transport simulation** (link)
Tram transport simulation, using **Java** with emphasis on OOP principles




Activities

Scientific clubs and associations





- Oct. 2023 – ····  **Warsaw Biotechnology Association "Symbioza"** Member.
- Oct. 2024 – ····  **Medical Biology Scientific Club "Antidotum"** UW President.
- Oct. 2023 - Oct. 2024  **Medical Biology Scientific Club "Antidotum"** UW Member.

Activities (continued)

Organization of conferences



- 2024 –  **"Biofuzje" international scientific conference** (link). Main organizer
I am responsible for coordinating all aspects of the event, including program development, speaker engagement, logistics, and sponsorship acquisition. I managed a multidisciplinary team, ensuring smooth communication and efficient problem solving. My role required strong leadership, organizational skills, and the ability to handle high-pressure situations.
- April 2024  **"Biofuzje" scientific conference** (link). Organizer
- May 2024  **"Symbioza" international biotechnology symposium** (link). Organizer

Skills






- Languages  Polish (Native), English (C1), German (A2)
- Coding  Java, C, Python, R
- Web Dev  HTML, CSS
- Tools and Technologies  Bash, Git, LaTeX, SQL

Miscellaneous Experience

Awards and Achievements

- April 2023  **Winner of Biology Olympiad**
Ranked in top 25 out of over 1000 participants, demonstrated exceptional knowledge in all many fields of biology and the ability to apply theoretical concepts to complex biological problems under time constraints.
-  **Finalist of Mathematical Linguistic Olympiad**
Ranked in the top 100 out of over 3500 participants, demonstrated strong analytical thinking, problem-solving skills, and the ability to recognize complex patterns in linguistic data.

Certification

- Aug 2024  **Fundamentals of Deep Learning.** Awarded by NVIDIA.
- July 2024  **Generative AI with Diffusion Models.** Awarded by NVIDIA.
-  **Building Transformer-Based Natural Language Processing Applications.** Awarded by NVIDIA.
-  **Rapid Application Development with Large Language Models (LLMs).** Awarded by NVIDIA.
- July 2023  **Certificat in Advanced English.** Awarded by Cambridge.