Aliaksandr Melnichenka

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Education

Lyceum of Belarusian State University   **Sep 2022 - May 2024**
Excelled at Belarus's most competitive high school with a focus on Physics. GPA: 9.92/10.

Leadership Experience

Savchenko Solutions   *Oct 2023 - Present*
Founder, savchenkosolutions.com

- Established a pioneering peer-to-peer, student-led non-profit for sharing and collaborating on Savchenko Physics problem solutions—reaching **135k+ active users**.
- Led an international team of 20+ contributors (students to university professors) and published **900+ original solutions** in Russian and English.
- Earned distinction as the only pinned resource in Beyond Curriculum (Russia's top Olympiad forum) and is referenced in the US Physics Team syllabus
- Consistently **60k+ monthly pageviews** and **12k+ unique visitors**, cementing its position as a core physics education resource.

Belarusian Physics Olympiad Website   *Sep 2023 - Dec 2023*
Project Manager, Editor, Designer, belpho.org

- Spearheaded the release of the most extensive **35-year archive** of Belarusian Physics Olympiad tasks, accelerating regional and national preparation.
- Named **official Belarusian contact** on ipho-unofficial.org and recognized by Yandex as the #1 Olympiad prep resource in Belarus.
- Collaborated with leading National Physics Olympiad figures (Dr. Markovich, Dr. Slabadzyanuk) and served as the official media partner for BelPhO-2024.
- Utilized by **90%** of silver and gold medalists in the national Physics Olympiad.

Awards

- **Belarus Physics Team**: Ranked **top 10** nationwide; first reserve for International Physics Olympiad (IPhO).
- **Three-Time Olympiad Medalist**: Gold (2022), Bronze (2023), Silver (2024) in the Belarusian Physics Olympiad.
- **Youngest National Team Member** for the International Young Physicists Tournament; served twice as captain, advancing the team to the finals of the Belarusian Young Physicists Tournament.
- **Presidential Award for Gifted Youth**: Highest student honor in Belarus.

Open source developer

- **IPhO-2024 Results:** First to publish and integrate them into the IPhO unofficial database, fixing critical design issues.
- Top-20 GitHub Contributor in Belarus for high-impact open-source contributions.
- Developed a bike computer using Arduino + Hall Sensor—featured on the Official Arduino Facebook page
- Created a Python library for downloading Cambridge Dictionary pronunciations.

Skills

- **Languages:** Python, C++, LaTeX, JavaScript.   **Natural Languages:** English (fluent), Belarussian (native).
- **WebDev:** PostgreSQL, Node.JS, Express, AWS, HTML, CSS.
- **Scientific Software:** Wolfram Mathematica, Matplotlib, NumPy.
- **Tools:** VS Code, PyCharm, Git, GitHub, Inkspace, Photoshop, Word, Excel, PowerPoint.
- **Additional Skills:** Web Scraping (BeautifulSoup, Requests, Selenium); String Manipulation (Regex in Python).