YEHOR TERESHCHENKO

AI, APPs, Backend & Web Dev | Innovation Enthusiast

CONTACT

- 📞 +358 465 282 022
- ✈ @yehor_a
- ✉ Yehor.Tereshchenko@metropolia.fi
- 📍 Espoo, Finland
- 🌐 linkedin.com/in/yehor-tere

EDUCATION

2018 - 2024

Scientific Lyceum of Information Technology, Dnipro

- Diploma with Gold Medal (official reward in my country, ALL subjects mark are 5)

2024 - Present

Metropolia University of Applied Sciences

- Bachelor's Degree in Information Technology
- AI & Machine Learning major

PROGRAMMING

- **Python** (backend, automation, data gathering and processing, trading, SQL)
- **JavaScript** (& **Vue.js**)
- **C#** (for Unity)
- Pine Script (& other dialects), Solidity, Tact

TECHNICAL SKILLS

- AI, APIs, SQL, LLMs integration
- WEB Developing
- Automation & Bots
- Game Development
- Experienced in creating and documenting scientific experiments, R&D projects
- Cybersecurity & Blockchain

OTHER SKILLS & CHARACTERISTICS

- Adaptive
- Critical Thinking
- Stress Resistance
- Teamwork
- Time Management
- Leadership
- Creativity
- Entrepreneurship
- Organizing events
- Promotion of projects
- Presentation
- Documentation
- Researching

LANGUAGES

- English (fluent)
- Ukrainian (native speaker)
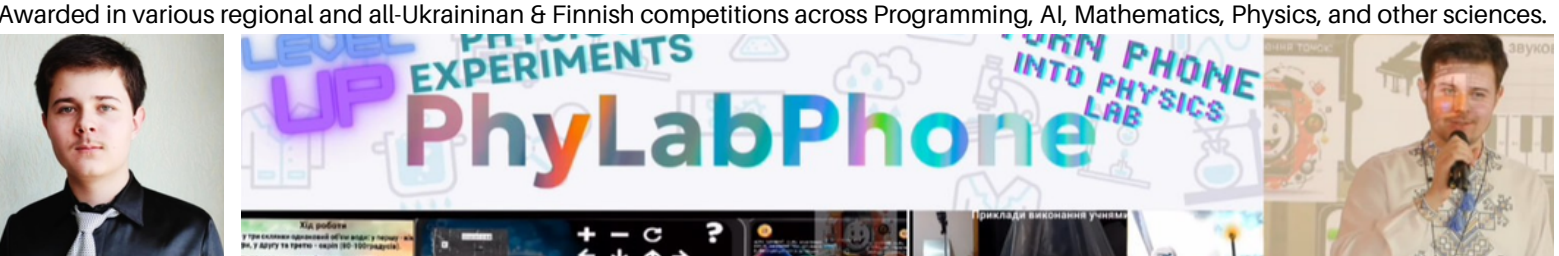- Russian (native speaker level)
- Finnish (beginner)

EXPERIENCE

May 2025 - Present

Promotion in Metropolia AI (moving from Grant Writing AI project to Oracle)

*Research, Forecasting, Innovation; **AI, Python** (Flask, FastAPI), Vue.js; Vector DB, Embedding, LLMs, big data, various metrics, trend analysis, and clustering.*

- Developing a project that uses different internet resources (like media, news, jobs), analyze (filtering, sorting, clustering, searching trends etc) it and forecast the future. Used different techniques, especially those related to AI and LLMs.

May 2025

Supercell AI hackathon – 3rd Place

*AI, Innovation; **Python** (Flask), C# (Unity); **LLMs APIs***

- Achieved 3rd place over almost 50 teams with the game, which was built in response to Supercell's "Context-Aware Characters"
- Personally fully developer Python backend server logics (LLM used for selecting animation, movements and responce to events and states from game). Wrote C# scripts to integrate the backend inside the game. Witch animations setup script, UI.

January 2025 - May 2025

Developer in Metropolia AI research and development project - contract work

*Research, Papers, Innovation; **Python** (Flask), Vue.js; JS (+Jinja), SQL; **AI** (LLMs APIs)*

- Conducted research, for example authored scientific papers (accepted at NLP4DH Conference, *check "Publications" page 2*).
- Developer in an innovative web platform for efficient grant applications - AI assistant, integrating Vue.js frontend with Python Flask backend, MariaDB SQL, JavaScript, Jinja templating, and LLM APIs for automated text analysis and suggestions.
- Created an intuitive admin "wizard" interface for the project, significantly improving user experience and operational efficiency (used OpenAI APIs).

2024

AI-Based Innovation Challenge – 1st Place

Python (Flask), Java Script (web), Gemini AI and other APIs

- Designed client- and server-side platforms with custom algorithms for autonomous client discovery and recommendations
- Sales Leads generating for Metropolia's SmartLab.

September 2024 - January 2025

Language Learning Game

*Unity, C#, **AI** & Translators*

- Designed an educational language-learning game integrating book reading, vocabulary building, and engaging monster battles.

April 2024 - January 2025

TonParcer Bot - Telegram

Python, SQL; TON-Chain, Telegram, LLMs and other APIs

- Developed and maintained a TON-parser bot for Telegram for individual customer. Also, completed other tasks in this area (blockchain data parsing etc).

May 2023 - June 2024

Physics Lab in the Smartphone

Unity (C#), Java Script (with HTML, CSS)

- Created and maintained an educational app for research and development project, enabling physics experiments using smartphones.

September 2023 - February 2024

Trading Indicators and Strategies

Python, PineScript (JS syntax), JS, AI, Trading data, Blockchain

- Built Pine Script indicators and Python-based trading bots for automation on platforms like TradingView, Bybit. Artificial intelligence was also used to analyze.

June 2022 - July 2023

Decentralized public alert system

*Java Script, **Python** (Flask&FastAPI), SQL, APIs, Blockchain (Solidity)*

- Developed an alert system leveraging volume speakers for emergency notifications in remote areas in Ukraine.
- The ability for people to connect their speakers and receive rewards for notification people (depending on place, volume, alert frequency etc).

AWARDS & CERTIFICATES

Supercell AI hackathon – 3rd Place   2025

Raksa AI Innovation Challenge – 1st Place   2024

All-Ukrainian Competition of Academy of Science   2024

Educational and Gaming Programs category

- Achieved top 1st place in all Ukraine (with 2nd place in gradation), and top-ranked in Dnipro-region and city R&D competitions with the PhyLabPhone app.
- Also various awards for scientific works in physics and IT

Stanford Mathematical Olympiad   2022 and 2024

- Received Honorable Mention (Top 25%) in both Individual and Team Contests.

Victories in regional & national competitions/hackathons   2018-2025

Awarded in various regional and all-Ukraininan & Finnish competitions across Programming, AI, Mathematics, Physics, and other sciences.

ADDITIONAL INFORMATION AND EXPERIENCE

PUBLICATIONS

A Comparative Analysis of Ethical and Safety Gaps in LLMs using Relative Danger Coefficient   First author

Research; Python, LLMs, AI, Ethics;

- Accepted in Natural Language Processing for Digital Humanities (NLP4DH) conference in the "Long papers" category.

Physics Lab in the Smartphone: Learning Science in Wartime (PhyLabPhone)   First author, indie-developer

All-Ukrainian Competition of the Academy of Sciences of Ukraine (MAH), 2024 – Educational and Gaming Programs Category

- Achieved 1st place in the national ranking and 2nd place in the final evaluation in the "Educational and Gaming Programs" category.
- Awarded 1rd place in the regional stage of the national competition.

Study of Ferromagnetic Fluid and Its Comparison with Newtonian Fluid   First author

Academy of Sciences of Ukraine (MAH), Physics Section – Experimental Physics Category

- Awarded 3rd place in the regional stage of the national competition in the category of Experimental Physics.

Comprehensive study of the wave motion of matter   First author

Academy of Sciences of Ukraine (MAH), Physics Section – Experimental Physics Category

- Accepted in the first round of the Academy of Sciences of Ukraine (Manuscript review).

VOLUNTEERING

2021 - 2024

President of the Aerospace Center (Lyceum)

Official volunteer role awarded by vote and teachers recommendation

- Led aerospace initiatives, organized events, and coordinated projects to inspire a passion for STEM.
- Assisted teachers in delivering engaging physics and astronomy lessons.
- Developed software and created original challenges and tasks.
- Authored research papers and maintained academic journals.

February 2020 - 2022

Cybersecurity and Army Forces of Ukraine

All possible help to my country in difficult times

- Finding bugs, security holes, access errors, writing software etc
- Cooperation with "IT ARMY of Ukraine"
- Creating a website for automatic DDOS of propaganda resources of the russia, creating protection against attacks, helping people with the configuration of remote servers for that purpose, and assisting in developing military drawings, participating in the production of masking nets.

Self-developing and staying updated with innovations

Taking part in many cognitive activities

- **Speaker, presenter, organizer.** Recent examples: speaker at "Expert and Support Forum for Rebuilding Ukraine" on March 19, 2025, Helsinki; "New Dimensions in Construction 2024"; workshop (presenter) Pedaforum 2025
- Taking part in conferences and webinars, streams, events. Some of them: **AI in AEC 2025**, **Slush** Events, **Python** meetups (monthly), AWS GameDay, SRE Finland, Unity 6 stream, SoftServe.

"Programming is never just about code - it's a mindset of structured curiosity and purposeful problem-solving."