Alexander Shirnin

alexamailwork@gmail.com • t.me/icecreamflavors

🌐 linkedin.com/in/alexander-shirnin • ⭘ 25icecreamflavors • Kaggle profile

Work experience

HSE Computational Pragmatics Lab   **Oct 2021 – now**
AI Researcher, NLP Safety & Robustness
○ Led multiple research projects on vision-and-language model robustness and hallucination detection.
○ Published in top-tier venues: IEEE/ACM TASLP (Q1), SemEval (ACL-affiliated workshops).
○ Supervised student research; co-authored 2 accepted papers at SemEval-2025.
○ Coordinated team efforts for SemEval-2024, winning 2nd place among 33 international teams.
○ Acted as reviewer for ACL and IEEE journals, contributing to academic community.

Private Education Platform   **May 2025 - June 2025**
Course Developer & Instructor
○ Designed and delivered an introductory machine learning course for professionals with no technical background. Adapted ML topics to a general audience, balancing clarity and technical rigor.
○ Developed presentations, recorded video lectures, and built accessible teaching materials.
○ Successfully completed the project under a highly compressed timeline, taking full ownership from concept to delivery.

Cultural Heritage Tech Startup - Objet.art   **Aug 2024 - Sep 2024**
AI Consultant
○ Led the design of an AI pipeline to extract structured tags from museum object descriptions and metadata using LLMs.
○ Defined evaluation metrics, data preparation requirements, and validation protocols for internal benchmarking.
○ Built and tested a LangChain-based system; evaluated prompt strategies and model outputs.
○ Acted as project architect: aligned technical design with business objectives and guided solution direction.

HSE University   **May 2024**
Exam Content Contributor
○ Designed exam tasks and materials for data analysis modules. Collaborated with faculty to align assessments with course learning outcomes.

HSE University   **Jan 2023 – Mar 2023**
Teaching Assistant
○ Taught Python programming to undergraduate students in an applied data analysis course.

Publications

1. **A. Shirnin**, N. Andreev, S. Potapova and E. Artemova, "Analyzing the Robustness of Vision & Language Models," in IEEE/ACM Transactions on Audio, Speech, and Language Processing, vol. 32, pp. 2751-2763, 2024.
2. A. Kudelya and **A. Shirnin**, "Lacuna Inc. at SemEval-2025 Task 4: LoRA-Enhanced Influence-Based Unlearning for LLMs," in Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025), 2025.
3. L. Morozov, A. Mogilevskii, and **A. Shirnin**, "Empaths at SemEval-2025 Task 11: Retrieval-Augmented Approach to Perceived Emotions Prediction," in Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025), 2025.
4. N. Andreev, **A. Shirnin**, V. Mikhailov, and E. Artemova, "Papilusion at DAGPap24: Detecting AI-generated Scientific Papers," in Proceedings of the 4th Workshop on Scholarly Document Processing (SDP), pp. 215–219, Aug. 2024.
5. **A. Shirnin**, N. Andreev, V. Mikhailov, and E. Artemova, "AIpom at SemEval-2024 Task 8: Detecting AI-produced Outputs in M4," in Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024), pp. 1667–1672, June 2024.

Education

National Research University HSE   **Nov 2024 – now**
PhD student, Computer Science

National Research University HSE   **Sep 2022 – July 2024**
MS in Business Analytics and Big Data Systems   *GPA: 7.83/10*

National Research University HSE   **Sep 2018 – July 2022**
BS in Applied Mathematics and Informatics   *GPA: 8.2/10*

Skills

Leadership & Communication: Team mentoring, research supervision, project coordination, technical writing, peer reviewing (ACL, IEEE).
Competitions: Kaggle Competitions Expert (highest ranking was 488/200,000 in global rating); 5 silver medals, 6 bronze medals. 3x top-5 finishes in SemEval, AJCAI, WSDM Cup competitions.
Python libraries: PyTorch, HuggingFace, LangChain, vLLM, Pandas, Numpy, Scipy, Sklearn, XGBoost, Matplotlib.
Languages: English (advanced, C1), Russian (native speaker).