Sergey Zinchenko

Personal Statement

23 years old researcher in the field of Database Optimization and ML with 2+ years of experience. Winner of International Olympiads and participant of AI Conferences / Schools

Experience

Present August 2022	**Huawei** **R&D engineer**	Novosibirsk, Russia Full Time

I have worked on accelerating the learning process of ML database optimization models. I have also developed and implemented a new robust architecture with x25 times faster inference time. I have obtained a number of scientific results in the field of optimization for OLAP scenario.
Independently designed and launched all experiments. Regularly researched, analyzed, and systematized cutting-edge scientific papers, suggesting adaptations and applications.

May 2022 September 2021	**HDI Lab, HSE** Joint work on a research project, Moscow, Russia **ML researcher**	Part Time

A new way of ensembling was developed, the work was accepted for ICML (/star-ensembling).

Education

Present (2nd year) September 2022	**Master Degree in Math and Computer Science** **Novosibirsk State University**

Major in relational database optimization in OLAP scenario by applying ML.

August 2022 September 2018	**Bachelor Degree in Math and Computer Science** **Novosibirsk State University**

Major in ML and Algorithms (parameterized, randomized and for big data).
Graduated with honors.

Publications

ICML	"SnapStar Algorithm: a new way to ensemble Neural Networks" [paper] [poster]
arXiv	"Star algorithm for NN ensembling" [paper]

Activities / Achievements

Conferences	ICML 2022, AIRI 2022, ISSC 2022, SnowOne 2020, CSSR 2019
Schools	CompTech 2022, 2021, 2020, Sirius 2021, Math. Workshop 2020, CSSR 2019
Oplympiads	Winner the Olympiad I am a Professional 2022 (Mathematics), Winner the International Olympiad in Cryptography NSUCRYPTO 2020, Winner the International Open Student Contest on Mathematics 2019