Artyom Gadetsky

PhD student at MLBio EPFL, Lausanne, Switzerland
artygadetsky@yandex.ru • https://github.com/agadetsky • https://agadetsky.github.io • +7 (925) 326-70-02, +41 (0) 76-270-64-13,

EDUCATION

Swiss Federal Institute of Technology (EPFL) — Sep 2022 – Dec 2026 (expected)
Ph.D. in Computer and Communication Sciences;
Scientific advisor: Prof. Maria Brbić

National Research University Higher School of Economics — Sep 2018 – Aug 2020
Skolkovo Institute of Science and Technology
Double M.S. with honors in Math of Machine Learning;
Scientific advisor: Prof. Dmitry Vetrov

National Research University Higher School of Economics — Sep 2014 – Aug 2018
B.S. with honors in Computer Science, Machine Learning Major;
Scientific advisor: Prof. Dmitry Vetrov

PUBLICATIONS

(***** denotes equal contribution)

CONFERENCES

Large (Vision) Language Models are Unsupervised In-Context Learners — ICLR 2025
Artyom Gadetsky*, Andrei Atanov*, Yulun Jiang*,
Zhitong Gao, Ghazal Hosseini Mighan, Amir Zamir, Maria Brbić

Let Go of Your Labels with Unsupervised Transfer — ICML 2024
Artyom Gadetsky*, Yulun Jiang*, Maria Brbić

Fine-grained Classes and How to Find Them — ICML 2024
Matej Grcić*, **Artyom Gadetsky***, Maria Brbić

The Pursuit of Human Labeling: A New Perspective on Unsupervised Learning — NeurIPS 2023
Artyom Gadetsky, Maria Brbić

Leveraging Recursive Gumbel-Max Trick for Approximate Inference in Combinatorial Spaces — NeurIPS 2021
Kirill Struminsky*, **Artyom Gadetsky***, Denis Rakitin*,
Danil Karpushkin, Dmitry Vetrov

Low-variance Black-box Gradient Estimates for the Plackett-Luce Distribution — AAAI 2020
Artyom Gadetsky*, Kirill Struminsky*, Chris Robinson,
Novi Quadrianto, Dmitry Vetrov

Conditional Generators of Words Definitions — ACL 2018
Artyom Gadetsky, Ilya Yakubovsky, Dmitry Vetrov

WORKSHOPS

Low-variance Gradient Estimates for the Plackett-Luce Distribution — NeurIPS 2019 BDL
Artyom Gadetsky*, Kirill Struminsky*, Chris Robinson,
Novi Quadrianto, Dmitry Vetrov

AWARDS

EPFL EDIC Fellowship 2022-2023
Fellowship for highly selected first year Ph.D. students

Yandex ML Prize 2020
Award for outstanding young researchers from CIS region (highly competitive)

The Ilya Segalovich Scholarship 2019, 2021
HSE Computer Science Faculty scholarship for outstanding achievements in study and research

Increased State Academic Scholarship 2018-2020
Scholar in the scientific research section

Open HSE Student Research Paper Competition 2018
Winner (3rd absolute place)

Best student work at DIALOGUE 2018 conference
For the paper ”Conditional Generators of Words Definitions”

COMMUNITY SERVICE

Pre-filtering team at ELLIS PhD, EPFL EDIC PhD

Reviewer at ICML 2024, 2025, ICLR 2024, 2025, NeurIPS 2023, 2024, AAAI 2021, ACL 2020

STUDENT CO-SUPERVISION

Yulun Jiang (now PhD at EPFL)
Topic: unsupervised transfer learning

Jan Sobotka
Topic: improving visual language models on the semantic segmentation task

INDUSTRIAL EXPERIENCE

Huawei Research, Moscow, Russia — 2020 – 2022
Conducting research on using synthetic data for knowledge distillation under domain gap; supervisor: Dmitry Vetrov

Sberbank-HSE Laboratory, Moscow, Russia — 2017 – 2020
Conducting research on different text generative modeling tasks. Results were published at ACL 2018. manager: Evgeny Sokolov.

TEACHING EXPERIENCE

Applied Data Analysis at EPFL (largest course on campus!)	Fall 2024
Calculus II at EPFL	Spring 2024
Deep Learning in Biomedicine at EPFL	Fall 2023
Transfer Learning and Meta-Learning at EPFL	Spring 2023
Continuous Optimization course at HSE and MSU	2018 – 2022
Neurobayesian Methods at HSE, MSU and YSDA	2018 – 2022
Introduction to Deep Learning at HSE	2018-2021
Data Analysis course at HSE	2018
DeepBayes Summer School	2017, 2018, 2019
Coursera ”Bayesian Methods in Machine Learning” course	2017-2018
”Bayesian Methods in Machine Learning” course at YSDA and CMC MSU	2017-2018
Machine Learning course at CS HSE	Sep 2017 – Jul 2018

OTHER EXPERIENCE

Microsoft Research AI Summer School 2018	Jul 2018
Visiting scholar at the University of Sussex, UK Hosted by Novi Quadrianto	Jul 2019 – Aug 2019, Nov 2019

SKILLS

Research, Machine Learning, Deep Learning, Statistics, Algorithms & Data Structures, Python, PyTorch, TensorFlow Basics, C++ Basics

RESEARCH INTERESTS

Reasoning, Unsupervised Learning, Representation Learning, Foundation Models, Generative AI, Probabilistic Modeling, Stochastic Gradient Estimation, Structured Discrete Variables, Monte Carlo Methods, Deep Learning, Machine Learning.