

Artem Petrov

Tbilisi, Georgia / Remote / Relocation • +995 (591) 062-551 • artem99petrov@gmail.com • GitHub: [ArtemPt239](#)

SKILLS	<p>Data science: Prompt Engineering, Experimental design, LangChain, LLMs, Machine Learning, Deep Learning with Pytorch, Computer Vision (segmentation with Unet), Data augmentation, Data visualization</p> <p>Software development: Python (4 years) (data science stack; PyTorch; FastAPI; SQLAlchemy, Plotly;dash), SQL, Git, Docker, Bash, Java/Kotlin for Android (1 year), C++ (6 months)</p> <p>Other: advanced Linux user, \LaTeX</p>	
EXPERIENCE	Project Lead & Researcher @ Palisade Research	Jul 2024 – Present
	<ul style="list-style-type: none">▪ Built interactive demos showcasing dangerous AI capabilities to raise public awareness of unsolved AI safety problems▪ Evaluated LLM jailbreaks▪ "These results are great!" - RAND team about my work during Palisade-RAND collab	
	Python Developer & Prompt Engineer @ We Are Volt	Feb 2024 – Aug 2024
	<ul style="list-style-type: none">▪ Built, tested, and deployed to production a multi-staged RAG pipeline for Q&A and Analytics over a custom CMS containing visual, textual and numerical information sources	
	Data Scientist & Python Developer @ Tentakel	Jan 2023 – Feb 2024
	<ul style="list-style-type: none">▪ Developed pipelines for automatic data analysis and document Q&A with LLMs and wrapped them in a REST API▪ Deployed LLM-based products to production in the form of Telegram bots and Slack apps▪ Benchmarked text embedding models for semantic search	
	Data Science Researcher @ IRA-Labs [part-time]	Sep 2021 – Jun 2022
	<ul style="list-style-type: none">▪ Trained UNets for organ segmentation on CT images	
	Data Science Intern @ IRA-Labs	Jul 2021 – Aug 2021
	<ul style="list-style-type: none">▪ Proposed and implemented new data augmentation based on the analysis of the target dataset, which led to a 9% improvement in the target metric	
	Data Science Intern @ Russian Academy of Sciences, Institute for Information Transmission Problems	Aug 2020
	<ul style="list-style-type: none">▪ Investigated viability of implementing attention in Simple Graph Convolution neural net architecture	
	Python developer @ Freelance	Jun 2020 – Jul 2020
	<ul style="list-style-type: none">▪ Developed a web dashboard to represent internal data with Plotly dash	
	System administrator [part-time]	2017 – 2024
	<ul style="list-style-type: none">▪ Set up, maintained, and migrated Linux-based mail servers	
PUBLICATIONS	Hacking CTFs with Plain Agents	Dec 2024
	<ul style="list-style-type: none">▪ We achieve SOTA on a CTF benchmark with a simple agent harness	
EDUCATION	Yandex School of Data Analysis , Moscow, Russia	2022 – 2023
	<ul style="list-style-type: none">▪ Part-time masters-level private program in data science and software engineering	
	Moscow Institute of Physics and Technology , Moscow, Russia	2017 – 2022
	BS, Applied Mathematics and Physics: Computer Technologies and Intellectual Data Analysis	
	<ul style="list-style-type: none">▪ GPA: 3.9/4, top-2%▪ Top-1 university in Russia in CS according to THE university ranking	
	Physics and Mathematics Lyceum №239 , Saint-Petersburg, Russia	2013 – 2017
	<ul style="list-style-type: none">▪ Every year from 2015 to 2020, the Lyceum was recognized as the best school in Russia	
	Independent coursework	
	▪ C++ Programming course on Stepik	Aug 2022 – Nov 2022
	▪ Machine Learning and Data Analysis specialization on Coursera	Sep 2019 – Feb 2020
LECTURES & TALKS	Lecturer @ Lalambda School	Aug 2023
	A biyearly summer school on advanced CS topics	
	<ul style="list-style-type: none">▪ Taught a 16-hour course on the latest advancements in NLP with a deep dive into the Transformer Architecture	

Seminarist @ Tbilisi PRC

2023

A paper reading group in Tbilisi with a focus on machine learning and CS topics

- Led a couple of dozen seminars on fundamental deep learning papers

LANGUAGES

English: C1 \ Full Professional Proficiency

Russian: Native language

**AWARDS &
SCHOLARSHIPS**

- Phystech Foundation Scholarship Sep 2018 – Sep 2021
Awarded to students with the highest GPA (top 10%) until their last year
- Advanced Academic Scholarship Jul 2018 – Feb 2021
Awarded to students with A marks only in the preceding term
- Gold medal awardee of the [Asian Physics Olympiad](#) 2017
- Gold and Silver medal awardee of the [International Zhautykov Olympiad in Physics](#) 2016, 2017
- Winner of the Russian National Physics Olympiad 2015, 2016, 2017

PET PROJECTS**[ns-scheduler](#)**

A tool to schedule the work time of applications deployed to the Kubernetes cluster for development/testing purposes to not waste resources when no one is using them

[rainbow-track](#)

GNOME shell extension for smooth time tracking on Linux with Toggl Track