Anastasiia Filippova

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Education

École Polytechnique Fédérale de Lausanne (EPFL)   **Sep 2021 – Jan 2024**
Master in Data Science (5.3 / 6.0)   *Lausanne, Switzerland*

Moscow Institute of Physics and Technology (MIPT)   **Sep 2017 – June 2021**
Bachelor of Science in Applied Math and Physics (4.8 / 5.0)   *Moscow, Russia*

Experience

Apple   **Mar 2024 – Present**
AIML Intern   *California, USA*
- Working on efficient training and inference of LLMs under Ronan Collobert supervision

Adaptive Intelligence Lab   **Sep 2023 - Jan 2024**
Research Assistant   *Geneva, Switzerland*
- Worked on ModelZoo improving generalisation ability of models for animal pose estimation
- Worked on CEBRA extension under the supervision of Steffen Schneider

WorldQuant   **Feb 2023 – Aug 2023**
Quantitative Researcher Intern   *New York, USA (remote)*
- Worked on improvements for futures trading strategies
- Developed pipeline for fine-tuning LLM's on in house financial data

Machine Intelligence Lab   **Sep 2019 - June 2021**
AIML Researcher   *Moscow, Russia*
Start-up helps big technical companies to research advanced Artificial Intelligence Models and create High-Tech Products
- Dehydratation estimation via smartwatch for Samsung Research
- Neuro Sense: Hardware-constrained human activity recognition and heart rate estimation
- Inertial navigation and activity recognition on smartphones for Huawei Research

Publications

- Shaokai Ye, **Anastasiia Filippova**, Maxime Vidal, Steffen Schneider, Jessy Lauer, Tian Qiu, Alexander Mathis, Mackenzie Weygandt Mathis. **SuperAnimal pretrained pose estimation models for behavioral analysis.** *Nature Communications, 2024*

- Ekaterina Svikhnushina, **Anastasiia Filippova**, Pearl Pu. **iEval: Interactive Evaluation Framework for Open-Domain Empathetic Chatbots.** *In Proceedings of the 23rd Annual Meeting of the Special Interest Group on Discourse and Dialogue, 2022*

Technical Skills

Languages & Frameworks: Python, PyTorch, PyTorch Lightning, React, SQL, Bash, Jupyter
Dev(ML)Ops Tools: Git, Github, Docker, Weights & Biases

Scholarships & Awards

EPFL Master Research Scholarship   **Sep 2021 – Sep 2022**

MIPT Abramov foundation scholarship for outstanding students (top 5%)   **Feb 2020 – Sep 2020**