

# ANASTASIIA FILIPPOVA

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## Education

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- 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

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- Apple** Mar 2024 – Oct 2024  
*AI/ML Research 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 Research Intern*  
New York, USA (remote)
- International hedge fund and quantitative investment management firm
- 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  
*AI/ML Researcher*  
Moscow, Russia
- Start-up helps big technical companies to integrate AI models into products
- Neuro Sense**: Hardware-constrained human activity recognition and heart rate estimation
  - Dehydration estimation via smartwatch for **Samsung Research**
  - Inertial navigation and activity recognition on smartphones for **Huawei Research**

## Publications

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- Anastasiia Filippova**, Angelos Katharopoulos, David Grangier, Ronan Collobert. **No Need to Talk: Asynchronous Mixture of Language Models**. *pre-print, 2024*
- 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*

## Scholarships & Awards

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- EPFL Master Research Scholarship Sep 2021 – Sep 2022
- MIPT Abramov foundation scholarship for outstanding students (top 5%) Feb 2020 – Sep 2020

## Teaching

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- Modern Approaches to Behavioural Analysis** Nov 2022, Nov 2023  
*Computer Vision Applications for Neuroscience*  
Online
- Systems neuroscience** Feb 2024 – Mar 2024  
*Computational Neuroscience and NeuroAI*  
Lausanne, Switzerland