

# Stéphane Nguyen

PHD STUDENT IN EFFICIENT WORLD MODELS

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## About

I am a PhD student in the Machine Learning Group at the University of Geneva. My advisor is François Fleuret and I am currently working on Efficient World Models.

## Education

### PhD candidate in Efficient World Models

University of Geneva

- Head TA for 11X001 *Introduction to programming and algorithms*, approx. 108 students.

Geneva, Switzerland

Oct 2024 - Ongoing

### MSc in Computer Science

University of Geneva

- Relevant coursework: Deep Learning, Data Science, Metaheuristics for Optimization, Multimedia Security and Privacy, Information Retrieval.
- TA for 14X013 *Metaheuristics for Optimization* (Python)

Geneva, Switzerland

Sept 2022 - Jul 2024

### BSc in Computer Science

University of Geneva

- Relevant coursework: Artificial Intelligence, Data Mining, Elements of Information Theory, Digital Image Processing.
- Undergraduate TA for 13X012 *Concurrent and distributed systems* (Java)
- Undergraduate TA for 11X003 *Formal Languages*
- Undergraduate TA for 12X006 *Systems programming* (Assembly ARM7)

Geneva, Switzerland

Sept 2018 - Jul 2021

## Work Experience

### Full-time Intern/Visiting student

POLAR research group – University of Geneva

- Trained an ML model for astroparticle physicists at the POLAR research group.
- Built an interactive tool for manual error analysis.
- PyTorch, NumPy, Weights & Biases, Hydra, Jupyter Notebook.

Geneva, Switzerland

Jul 2023 - Oct 2023

## Awards and certificates

### Arditi Prize in Computer Science

Arditi Foundation

- Awarded for the scientific quality and originality of my master thesis on "Compressed Memories for World Models"

Geneva, Switzerland

15 Nov 2024

### Certificate in Advanced English – Grade A (Level C2)

Cambridge University Press & Assessment

- Passed at Grade A, Overall Score 203/210, CEFR Level C2 – Verification Number C9238804

Geneva, Switzerland

09 Nov 2024