

# Frédéric Li Combeau

fredlicombeau[at]gmail[dot]com  
Github: Elta305 - LinkedIn: Frédéric Li Combeau

## EDUCATION

**Master's degree - AI2D** | AI, Algorithms, Decision

2024 – September 2026 | Sorbonne University

M2 Courses: Deep Learning • Advanced Deep Learning (*Audited*) • Multimodal AI • AI for Robotics (*Ranked 1st*) • AI for Vision (*Extra course*) • Advanced Optimization Methods and Applications • Human-AI Interaction

**Extra course** | Robotics

September 2024 - January 2025 | ENS Ulm

**Bachelor's degree** | Computer Science

2021 - 2024 | Paris-Saclay University

## RESEARCH INTERNSHIP

**Text-to-Panoramic 3D Gaussian Splatting via MeanFlow Distillation and Model Stitching** | Supervised by Postdoc. Narnhofer, Prof. Schindler, Prof. Tombari (Google)

March – August 2026 | PRS Group, ETH Zürich, in collaboration with Google

- A paper is planned to be submitted at a conference after the master's thesis.

**Limitations of Test-Time Adaptation (TTA) methods in Online Continual Learning** | Supervised by Postdoc Michel, Prof. Yamasaki

June – September 2025 | CVM Lab, University of Tokyo (grade: 17/20)

- We worked on a new setup of Continual Learning and Test-Time Adaptation for a more realistic deployment of CL-TTA models.
- A paper is planned to be submitted at a conference soon.

## ACADEMIC PROJECTS

**Style Decomposition and Content Preservation for Artistic Style**

**Transfer** | M2 project, [Original paper](#)

- Paper reproduction and additional experiments.

**Multimodal Visual Personalization of Generative Models via Individual Preference Learning** | M2 project, [Paper website](#)

- Addition of multimodality (eye-tracking) and of a new pipeline to improve image personalization, complete evaluation of our model.

**Tactical Optimism and pessimism in RL** | M2 project, [Original Paper](#) (Highest grade)

- Paper analysis and additional experiments.

**AFU: Actor-Free critic Updates** | M1 semester project, [Github](#) (Highest grade)

- Implementation and analysis of "AFU: Actor-Free critic Updates in off-policy RL for continuous control".
- We found that AFU is better than other algorithms in Offline to Online transition and that it isn't better in an Off-policy uniform sampling context.

**Smart Home** | Bachelor's last semester project

- Usage of **Raspberry Pi** and **Arduino** in order to create a smart house using MobileNet for person detection, a Firebase database, a mobile application and PC interface.

## PROFILE

I want to pursue a PhD in Generative AI and models that understand the world.

## SKILLS

### Programming

Python  
Pytorch  
OpenCV  
Numpy, Scipy,  
Pandas, Scikit-learn,  
Seaborn  
Git/Github

### Languages

French: Native  
English:  
Professional (TOEIC  
C1)

### Other

French Driving  
Licence  
Civil Security  
Citizen Skills  
Certificate  
Certificate of  
Musical Studies  
(11+ years of guitar  
and composition)

## ACTIVITIES

2024: Prologin  
**programming  
competition**  
2018: France Chess  
Championship  
Several charity  
sporting events with  
Action contre la  
Faim  
Composer, Guitarist,  
Pianist  
History  
Hiking