

# Killian Steunou

LinkedIn: <https://www.linkedin.com/in/killian-steunou/>  
Github : <https://www.github.com/killian31>

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**OBJECTIVE** *Starting the Master 2 MVA at ENS Paris-Saclay in September 2024, I am seeking a research internship in AI from April 2025. I am particularly interested in AI in Computer Vision.*

**EDUCATION** **ENS Paris-Saclay**, Gif-sur-Yvette (France) March 2025  
*M2 Mathématiques, Vision, Apprentissage*  
- Deep Learning, Image Processing, Applied Mathematics

**Toulouse School of Economics**, Toulouse (France) April 2024  
*M1 - Applied Mathematics, Statistics*  
- Econometrics, Probability and Statistics, Functional Analysis, Convex Optimization, Python.  
- Foundations of Machine Learning, Game Theory, Optimization for Non Smooth Functions, Markov Decision Processes, Data Analysis, Stochastic Methods for Optimization and Sampling.

**Toulouse School of Economics**, Toulouse (France) May 2022  
*Double bachelor in Applied Mathematics and Economics*  
- Economics, Applied Mathematics, Statistics, Computer Science

**University of Copenhagen**, Copenhagen (Denmark) Sep. 2022 - Jan. 2023  
*Gap year - 1 semester*  
- Natural Language Processing, Blockchain Business Dev, Energy Economics, Tax Policy

**TECHNICAL SKILLS** **Languages:** Python, R, Scilab, L<sup>A</sup>T<sub>E</sub>X  
**Tools/Framework:** Git, PyTorch, Linux, Vim, Visual Studio, R Studio, Jupyter  
**General:** Optimization, Data Structures, Algorithm, Machine Learning, Web Scrapping

**EXPERIENCE** **C.L.S.: AI Research Intern** April 2024 - August 2024  
Evaluating the relevance of using Foundation Models (FM) for Earth Observation, against standard models for semantic segmentation.  
- Review of SOTA self-supervised learning methods for images, and remote sensing data.  
- Benchmark of different models through the development of a Python library.

**Jolibrain: Machine Learning Engineer Intern** February 2023 - July 2023  
- Contribution to the open source image generation tool joliGEN (implemented different edge detection methods for generation control)  
- Implementation of SOTA models for image generation, and detection.  
- Training of various experimental diffusion models for inpainting task.

**French Ministry of Agriculture: R Developer Intern** May - August 2022  
Agile development of an R package which goal is to help create statistical publications by automating tasks, including an advanced graphic interface in R Shiny.

**PROJECTS**  
(you will find more on my GitHub)

**Object Recognition : Owl-Vit for videos** February 2023  
Implementation of Google's Owl-ViT model for zero-shot object detection in videos.  
**More information:** <https://github.com/killian31/ObjectsDetection>

**Academic Project: Multilingual Machine Reading** Sep - Dec 2022  
NLP project which goal was to build a question answering system in English, Finnish and Japanese, using various methods (BoW, pretrained GPT-like models...).

**Project Link:** <https://github.com/killian31/Multilingual-Machine-Reading>

## CERTIFICATIONS

- **Python 3 Programming** by University of Michigan on Coursera
- **TOEFL IBT: 104**