

Killian Steunou

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

Github : <https://www.github.com/killian31>

OBJECTIVE *Currently pursuing a master's degree in Applied Mathematics and Statistics, I have a deep interest in solving AI related problems.*

EDUCATION **Toulouse School of Economics**, Toulouse (France) March 2025
MSc in Applied Mathematics, Statistics
- Convex Optimization, Functional Analysis, Probability and Statistics, Computer Science, High Dimensional Data Analysis and Machine Learning, Econometrics

Toulouse School of Economics, Toulouse (France) May 2022
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 Development, Energy Economics, Tax Policy

TECHNICAL SKILLS **Languages:** Python, R, Scilab, L^AT_EX
Tools/Framework: Git, PyTorch, Linux, Vim, Visual Studio, R Studio, Jupyter
General: Optimization, Data Structures, Algorithm, Object Oriented Programming, Machine Learning, Web Scrapping (Python)

EXPERIENCE **Jolibrain: Machine Learning Engineer Intern** February 2023 - August 2023
- Contribution to the open source image generation tool joliGEN (implemented different edge detection methods for generation control)
- Implementation of state-of-the-art models for image generation (Diffusion models such as ControlNet), and detection (Owl-ViT model for zero-shot object detection).
- Training of various experimental diffusion models for inpainting task.
Toulouse, France

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.
Toulouse, France

Canaille Club : Commis Chef June 2021 - September 2021
Cooking deserts in one of the largest "guinguette" in Europe, in a 5 person team.
Toulouse, France

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**