



# Edouard Chappon

Applied mathematics, statistics, and deep learning.

## PROFILE :

- I worked as an aggregated (highest French teaching certification) math teacher for 2 years. I've been interested in statistical learning since 2020 and earned a Master's degree in Applied Mathematics with a specialization in Statistics and Machine Learning in 2023.

## ACADEMIC BACKGROUND :

### Mathematics faculty

#### MASTER'S DEGREE

- **2022-2023** Master's in Mathematics in Action at Claude Bernard University with options in statistical learning, machine learning, images, and data.
- **2019** Obtained the external agregation of mathematics (ranked 88th).
- **2017-2019** Preparation for the external agregation of mathematics at Claude Bernard University in Lyon.
- **2016-2018** Master's in Mathematics and Applications with a specialization in General Mathematics at Claude Bernard University in Lyon.
- **2016** Obtained the external CAPES (teaching certification) in mathematics.

#### BACHELOR'S DEGREE

- **2015-2016** Bachelor's degree in General Mathematics at Claude Bernard University in Lyon.

### High school and Preparatory Classes for Grandes Écoles (CPGE)

#### CPGE

- **2013-2015** MPSI (Mathématiques, Physique, et Sciences de l'Ingénieur) and MP (Mathématiques, Physique) at Daudet High School in Nîmes.

#### LYCÉE

- **2009-2013** High school diploma in science with honors.

## PROFESSIONAL EXPERIENCES :

### Academic research

- **2022-2023** End-of-studies internship titled "*Studying circumstellar environments with deep learning for high-contrast imagery reconstruction*" at the Physics Laboratory, Signal Processing Team at ENS Lyon under the supervision of Nelly Pustelnik and Julian Tachella.

### Mathematics teacher

**2021-2022** aggregated mathematics teacher in the Dijon Academy. Classes: First year of general high school, Technological Terminale (STMG), General Second year, Vocational Second year (MRC and MS) at the high school.

**2020-2021** aggregated teacher trainee at Beaupré d'Hauboudin High School. Classes: General Second year and Digital Science course.

## TECHNICAL SKILLS

- High-level of mathematics skills.
- Machine learning with PyTorch and TensorFlow.
- Proficiency in programming languages Python, Git, HTML, and CSS.
- Proficiency in the LaTeX typesetting language.

## PERSONAL SKILLS

- Strong teamwork and initiative developed during my teaching
- Strong curiosity and an appetite for all sciences.
- Independence in learning and strong work capacity.
- Good general scientific knowledge.
- Competitive fencing practice for 13 years. Also, involved in running, chess, and rock climbing.

## CONTACT ME

Phone : 06.87.35.30.21

Email : edouardchappon@hotmail.fr

Website : chappone.github.io/ws

Github : github.com/ChapponE