


Clémentine Scohy

Applied mathematics and software engineer — former Data Scientist — Career change after 7 years in teaching


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Skills







Projects  **Control a robot:** server written in C language with no external libs, deployment with Docker, HTML

 **Murmure game:** video game in Python with Ursina Engine

 **Handwritten kanji recognition:** use of PyTorch, visualization, neural networks, Python applications, blog article writing

Languages  French (native) | English (fluent) | Japanese (beginner)

Tech  Python | C | C++ |  Git |  Docker |  Linux |  PyTorch |  R |  LaTeX | Caffe

Hobbies  Bookbinding |  Reading |  Writing |  Escape Games |  Running |  Badminton

Professional Experience

 **Maths teacher in junior and high school, “agrégée” since 2023**
French National Education - Versailles Academy

Paul Lapie High School, Courbevoie
André Doucet Middle School, Nanterre
November 2018 - Now

- Teaching from 6th to 11th grade in a Priority Education Network (REP), working with non-native French-speaking students, creating and managing educational projects, organizing trips and outings
- Main teacher, Mathematics Department Coordinator, Digital Referent for the school, elected member of the School Board
- Creation of course materials in LaTeX and sharing on a personal website: madame-scohy.fr

teaching group management project creation & management creativity communication conflict resolution adaptability LaTeX Linux

 **Data Scientist**
Intersec Group

Paris - La Défense
August 2017 - August 2018

- Geostatistics on mobile telephony data and geomarketing

research and development geostatistics Linux Python Git

 **R&D Internship : Deep Learning and computer vision**
Dassault Systèmes

Aix-en-Provence
February 2017 - July 2017

- Machine learning and convolutional neural networks, *auto-encoders*, 3D pattern recognition from images, denoising

research and development neural networks machine learning Caffe C++

 **Data Science Intern**
AppStud

Toulouse
June 2016 - August 2016

Education

 **Preparation for the internal competitive examination for the French “agrégation” in Mathematics**
Paris Cité University


Paris
2022 - 2023

 **Master's Degree (M2) in Education and Training Professions (MEEF) specializing in Mathematics**
Montpellier University

Montpellier
2019 - 2020

 **Erasmus Semester (M2)**
Lund University

Lund, Sweden
2016 - 2017

 **Master's Degree: Applied Mathematics Engineer, specializing in “Stochastic Methods and Models”**
INSA Toulouse

Toulouse
2013 - 2017

- Statistics, data processing and analysis, topology, measure theory, analysis...
- Programming in Python, R, SAS, C and C++, Java, Ada, introduction to SQL.

 **CPGE MPSI - Lycée du Parc**

A year of intensive study to prepare the competitive entrance exams to French engineering schools

Lyon
2012 - 2013