

Léa MARINGER

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EDUCATION

CY Tech

Sept. 2021 - June 2024

MEng. of Applied Mathematics and Computer Science

Cergy, France

I am studying Statistics, Probabilities, Optimization, Complexity, Signal Processing, Procedural and Functional Programming, Machine Learning, Artificial Intelligence etc. but also accounting, economics and ethics (first year GPA: 3.7/4.0).

Lycée Jean-Moulin

Sept. 2019 - June 2021

B.Sc of Mathematics, Physics and Computer Science

Forbach, France

Advanced courses in Mathematics, Physics and Computer Science, to pass the highly competitive entrance exams, leading to the most prestigious schools of Science and Engineering in France called “Grandes Ecoles” (average GPA: 3.2/4.0).

EXPERIENCE

Forward (Finance Association of CY Tech)

Sept. 2022 - Present

Head of Communications - Volunteering

Cergy, France

My job consist of promoting our events (conferences, visits, preparation for certifications) and giving visibility to the association. I manage the website and our social media accounts.

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June 2022 - Aug. 2022

Data Engineer - Internship

Paris, France

My role was to explore, clean and analyse data from open data to produce useful and completed data about climate, green transition and energy retrofitting. I also worked on automating pipelines on data to lead to more reliability and to standardize some steps of data production process.

Independent

Oct. 2021 - March 2022

Private Mathematics Teacher - Student job

Cergy, France

I provided high school students with courses in Mathematics and helped them in their homeworks.

PROJECTS

Objects localization with CNN

Aug. 2022

Image compression with Single Value Decomposition

April 2022

Cost optimization for a cement plant

March - May 2022

- ☐ Linear optimization of energy and transport costs,
- ☐ Implementation in Python (graphic interface and optimization problem resolution),
- ☐ Processing of cement plants data using PCA method.

TECHNICAL SKILLS

Languages	Python (Numpy, Pandas, Scikit-learn, TensorFlow, Scipy, Matplotlib, Seaborn, tkinter), SQL, R, OCaml, C, bash, JavaScript, HTML, CSS, L ^A T _E X
IDE	Microsoft VS Code, Jupyter Notebook, Spyder, PyCharm, Eclipse
Software	Git, Excel, Dataiku

LANGUAGES

French:	Native proficiency	German:	Limited working proficiency
English:	Professional working proficiency	Spanish:	Limited working proficiency