Eliott ZEMOUR

✉ *zemoureliott@protonmail.com*
EliottZemour
eliott-zemour
Age: 22 (December 29, 1999)
Nationality: French
Website: eliottzemour.github.io

Education

2020–22 **EPFL, École Polytechnique Fédérale de Lausanne**, *Mathematics Section*.
Master in Computational Science and Engineering

2019–20 **Imperial College London**, *Department of Physics*.
Exchange Year (BSc 3rd year)

2017–20 **EPFL, École Polytechnique Fédérale de Lausanne**, *Physics Section*.
Bachelor in Physics, 5.19/6

2014–17 **Institut Fenelon Grasse**, *Seconde, Première et Terminale [FR]*.
Scientific Baccalaureate, 18.36/20

Experience

02-08/2022 **Data Science Intern**: Deep learning and real-time natural language processing at Illuin Technology.

2018-21 **Teaching assistant**: Artificial Neural Networks, Physics, Mathematics, Organization and technical support for flipped classrooms at EPFL.

2020 **Web content editor**: contribution to online documentation for Physics section auditorium experiments at EPFL: *Fiches Audiweb*.

Technical Skills

Programming C, C++, Python, Matlab, R.

Others MPI, CUDA, SQL, Python libraries: Keras, Tensorflow, Pytorch, Pandas, Scikit-learn.

Relevant coursework and academic projects

Courses Machine learning, Artificial neural networks, Reinforcement learning, Natural language processing, Applied data analysis, Advanced numerical analysis, Computational linear algebra.

Projects **Course projects**: *Higgs Boson Machine Learning Challenge, Regularized maximum likelihood estimation for discrete choice models, OpenAI's LunarLander-v2.*

BSc. Project: *Investigation of the variability amplitude as a function of stellar rotation period and spectral type for low-mass stars.*

Semester Projects: *Neural networks and partial differential equations, Effective Unbiased Membership Inference In Image And Language Models.*

Languages

French Mother tongue

English Fluent - C2 (both written and oral)

Spanish Intermediate - B2 (written) and C1 (oral)