Eliott ZEMOUR

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 EliottZemour
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Age: 21 (December 29, 1999)
Nationality: French

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

Technical Skills

Programming	C, C++, Python, Matlab, R.
Others	MPI, CUDA, Python libraries: Keras, Tensorflow, Pytorch, Pandas, Scikit-learn.

Experience

2018-21	**Teaching assistant**: Physics and Mathematics, Organization and technical support for flipped classrooms (EPFL).
2020	**Web content editor**: contribution to online documentation for Physics section auditorium experiments: *Fiches Audiweb* (EPFL).

Relevant coursework and academic projects

Courses	Machine learning, Deep learning, Artificial neural networks, Reinforcement learning Advanced numerical analysis and Computational linear algebra. Object oriented programming, Parallel and high performance computing.
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, Optimal membership inference attacks for language models.*

Languages

French	Mother tongue
English	Fluent - C2 (both written and oral)
Spanish	Intermediate - B2 (written) and C1 (oral)