

Eliott ZEMOUR

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🌐 github.com/EliottZemour
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
- 2014–17 **Institut Fenelon Grasse, Seconde, Première et Terminale [FR].**
Scientific Baccalaureate

Technical Skills

- Programming C, C++, Python, Matlab, R.
- Others MPI, CUDA, Python libraries: tensorflow, pytorch, pandas.

Experience

- 2021 Organization and technical support for a Physics flipped classroom (EPFL).
- 2020 Contribution to online documentation for Physics section auditorium experiments: *Fiches Audiweb* School of Basic Sciences (EPFL).
- 2018–21 Teaching assistant in Physics and Mathematics (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 (Kaggle)*, *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*. Supervisor: Dr. Yvonne Unruh, Imperial College London.
Semester Project: *Neural networks and partial differential equations*. Supervisor: Prof. Marco Picasso, EPFL.

Languages

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