

Scott Pesme

Curriculum Vitae

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✉ scott.pesme@epfl.ch
🌐 scottpesme
📍 Lausanne, Switzerland

Education

- 2019– **École Polytechnique Fédérale de Lausanne**
Ph.D. in the Theory of Machine Learning laboratory supervised by Prof. Nicolas Flammarion.
- 2018–2019 **École Normale Supérieure Paris-Saclay**
Master Mathématiques Vision Apprentissage (MVA). GPA: 17.8/20.
- 2015–2018 **École Polytechnique, Palaiseau**
B.Sc. and M.Sc. in applied mathematics. GPA 3.84/4.0.
- 2013–2015 **Lycée Henri IV, Paris**
Preparatory classes in mathematics and physics for the french grandes écoles. GPA: 4.0/4.0.

Experience

- 2019 **EPFL** · Master thesis (5 months) · Lausanne
On Convergence-Diagnostic based Step Sizes for Stochastic Gradient Descent.
- 2018 **McGill University** · Intern at the Montreal Neurological Institute (4 months) · Montréal
Implementation of new methods for extracting event related brain potentials using neural networks.
- 2017 **General Electric** · R&D intern (3 months) · Grenoble
Development of a software program in Python language that predicts the damage of water turbines.
- 2015 **Paris Fire Brigade** · Military service (7 months) · Paris
École Polytechnique's mandatory military service as a paramedic team-leader in the fire brigade.

Talks

PGMO days 2019 · Online Restart Strategies for SGD. Work done with Prof. Aymeric Dieuleveut.

Teaching Assistant

Mathematics and physics examiner at Lycée Henry IV preparatory classes.

Skills

Languages Python, Matlab, Java, C++, R.
Frameworks PyTorch, NumPy, scikit-learn.

Languages

French (mother-tongue) · English (C2) · Spanish (B1)

Extra-curricular interests

- Sports **Mountaineering.** President of École Polytechnique's mountaineering club.
Climbing. Participation at the French military championships in 2017.
Trail running. Winner of the 2017 and 2018 editions of the *Raid de l'X*.
- Art **Piano.** 11 years of classical piano in a Music Conservatory.
Debating. Member of École Polytechnique's debating team.