EPFL

Machine Learning and Optimization Laboratory
School of Computer and Communication Sciences

EPFL
Prof. Dr. Martin Jaggi
INJ 341 - Station 14
1015 Lausanne, Switzerland

Phone +41 21 693 7059
martin.jaggi@epfl.ch
mlo.epfl.ch

to whom it might concern

Lausanne, October 6, 2021

Recommendation Letter for Raphaël Attias

Dear Mrs./Mr.

This letter is to send you my very strong recommendation for Raphaël Attias, master student in Data Science at EPFL.

In particular, I would like to highlight the performance of Raphaël in the EPFL core Machine Learning course (CS-433), on the master level, in the fall semester 2020. In this difficult course of 7 credits and extensive coursework and programming projects, Raphaël achieved the final grade of 5.75 out of 6, which is an excellent performance, achieved by only very few students, confirming his strong level both on the mathematical fundamentals, as well as in practical data science and Python programming.

In addition to the exam, his group of 3 students implemented an ML4Science project on "*Quantification of the suitable rooftop area for solar panel installation from overhead imagery using Convolutional Neural Networks*". This task was very challenging, and the team also wrote a compelling and high-quality report and nicely documented Python code. Their work was of such good quality that it was even published at the physics conference CISBAT 2021, as well as getting second place among all project presentations of our course.

He also obtained a very good grade of 5.25 at our Optimization for Machine Learning course CS-439, together with another good project report on deep learning training, and strong experience in PyTorch and Federated Learning. Apart from the described experience, Raphaël has taken a wide range of practical as well as theoretical courses at EPFL related to machine learning, data science, software, systems, and deep learning during his master studies, and brings an excellent skill-set for his next job.

Raphaël now also successfully works as a teaching assistant in the 2021 machine learning course organized by our group.

He has my full recommendation for industry and academic positions, and I'm sure his next coworkers will be able to benefit from his very strong machine learning knowledge among many other relevant skills.

Please do not hesitate to contact me should you require any further information.

Best Regards

Prof. Martin Jaggi