



École de technologie supérieure  
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### **Fully-Funded 4 years PhD Position at ETS Montreal: Efficient Deep Learning**

Applications are invited for a funded PhD position in Efficient Deep Learning on embedded devices. The candidate will work under the supervision of Prof. Marco Pedersoli at the Laboratory of imaging, vision and artificial intelligence (LIVIA), ETS Montreal (University of Québec). The position is fully-funded and available as of September 2021 for a duration of 4 years.

I am looking for a highly motivated doctoral student to join my lab. He will perform cutting-edge research in efficient machine learning algorithms, with a particular focus on deep learning (e.g. network architecture search, transformer, automatic data augmentation, weakly and semi-supervised learning, efficient models).

Prospective applicants should have:

- strong academic record with an excellent MSc degree in computer science, applied mathematics, or electrical engineering, preferably with expertise in one or more of the following areas: machine learning, image analysis, artificial intelligence, computer vision;
- a good mathematical background and familiarity with machine learning and probabilistic models;
- good programming skills in Python as well as knowledge of deep learning frameworks (e.g. pytorch).
- Excellent written and verbal communication skills

Application process:

For consideration, please send your CV, research statement, names and contact details of two references, transcripts, a link to a MSc thesis, as well as relevant publications to: [marco.pedersoli@etsmtl.ca](mailto:marco.pedersoli@etsmtl.ca).

Further information :

Marco Pedersoli

<http://www.etsmtl.ca/Unites-de-recherche/LIVIA>