

Gabriele Prato

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SUMMARY

I am a **PhD student** at the Montreal Institute for Learning Algorithms (**MILA**), studying **world modeling** using **deep learning** techniques.

WORK EXPERIENCE

Huawei

*Associate Researcher**Jan. 2019 – Present**Montreal, Canada*

- Compressed state-of-the-art **neural machine translation** models while achieving better translation quality.

Zerospam

*Research Scientist Intern**May 2017 – Aug. 2017 / May 2018 – Aug. 2018**Montreal, Canada*

- Developed **recurrent neural networks** for email spam filtering.
- Improved detection accuracy** upon previously used methods.

RESEARCH

[Fully Quantized Transformer for Improved Translation](#)

*NeurIPS EMC2 Workshop**Sept. 2019*

- Fully quantized the Transformer to 8-bit and improved translation quality compared to the full precision model.

[Towards Lossless Encoding of Sentences](#)

*ACL (Association for Computational Linguistics)**June 2019*

- Proposed a near **lossless method** for encoding long sequences of texts into feature rich representations.

EDUCATION

Universite de Montreal

*PhD, Computer Science**Sept. 2019 – Present**Montreal, Canada*

- GPA: 3.825/4.3, Supervisor: Alain Tapp, Sarath Chandar

Universite de Montreal

*Master's Degree, Computer Science**Jan. 2017 – Aug. 2019**Montreal, Canada*

- GPA: 3.825/4.3, Supervisor: Alain Tapp

Universite de Montreal

*Bachelor's Degree, Computer Science**Sept. 2014 – Dec. 2016**Montreal, Canada*

- Excellence Scholarship**
- GPA: 3.311/4.3

SKILLS

- Computer: **PyTorch**, **Python**, **Numpy**, C++, C, C#, Java, Javascript, SQL, PHP
- Languages: Fluent in **English** and **French**. Basic Italian.

INTERESTS

Calisthenics, rock climbing, dancing, tabletop RPGs and board games.