Eric LeFort
M.A.Sc., B. Eng.

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Professional Summary

Pursuing a career in AI with an interest in growing into leadership roles.

Education

Master of Applied Science — Machine Learning   **McMaster University**
GPA: 3.8   *2017 - 2018*
Thesis: A Comparative Study of Machine Learning Algorithms

Bachelor — Software Engineering   **McMaster University**
GPA: 3.8   *2013 - 2017*
Capstone: autonomous billiards robot   *Awarded Best Capstone*

Development & Tools

Languages:
Python, C#, Java, Lua, Scala, R, C/C++, MySQL, JavaScript, Swift, Haskell, Rust, Bash, and more

Tools:
Jupyter, Azure, AWS, Git, Eclipse, Visual Studio, Android Studio, Arduino

Libraries:
Torch/PyTorch, TensorFlow, Keras, Scikit-Learn, Numpy, Pandas

Mathematical Skills

Competencies:
Research, Distributed Computing, Optimization Algorithms, Database Design, Calculus

Machine Learning Skills:
NLP; RNNs (LSTM, GRU); CNNs (Auto-Encoders, Semantic Segmentation, CapsNet); PCA; Data Generation; Classical ML (SVM, Random Forests, Boosting, k-NN, Naive Bayes, etc) and more

Experience

Machine Learning Researcher   **December 2018 — Present**
SortSpoke   **Toronto, Ontario**

- Built a table-level information extraction system which autonomously trains models for each customer's use case, extracts a table of interest in a document after under 20 samples
- Built a sentence-/paragraph-level information extraction system which is also autonomously trained for each customer's use case
- Built a checkbox OCR system using OpenCV which generates over $250,000 ARR
- Developed the ML R&D strategy and consulted with the business team regarding ML capabilities
- Represented the company at conferences, assisted in recruiting talent

Data Science Engineer   **May 2018 — December 2018**
AbacusNext   **Toronto, Ontario**

Architected and implemented an Azure REST API for data science endpoints. The system handled NLP tasks such as document anonymization, summarization, key-phrase extraction, and topic analysis. I also participated as an interviewer in the hiring process for multiple roles on the data science team.

Machine/Deep Learning Consultant   **October 2017 — February 2019**
Self-Employed   **Toronto, Ontario**

With Old Republic Insurance, I analyzed sales data (which I augmented by scraping online census reports) using unsupervised learning techniques. With Hazen & Sawyer, I performed both hands-on work and technical mentoring. The project was a time-series analysis of key metrics in waste water systems.

Machine Learning Engineer Intern   **Summer 2017**
Sensibill   **Toronto, Ontario**

Participated as a member of a small R&D team. In this role I improved an OCR process, developing a 98.9% accurate character-based LSTM language classifier, and improved a key data pipeline to scale to arbitrarily large datasets.