

# Eric Le Fort

T: (289)-680-3742  
E: ericlefort@live.com  
W: ericlefort.ca



Professional Summary	M.A.Sc. candidate graduating in May 2018 pursuing a career in Software Engineering, particularly in the field of Machine Learning.	
Education	<b>Master's of Applied Science, Software Engineering</b> Specialization in Machine Learning	<b>McMaster University</b> 2017 - 2018
	<b>Bachelor of Software Engineering</b> Graduating GPA: 3.8 Capstone: autonomous billiards robot	<b>McMaster University</b> 2013 - 2017 Winning project of my graduating year
Development & Tools	<b>Languages:</b> Python, Java, Lua, Scala, R, C/C++, MySQL, JavaScript, Swift, Haskell, Bash and more  <b>Tools:</b> Git/SVN, Eclipse, Visual Studio, Android Studio, Arduino, Maple  <b>Libraries:</b> Torch, TensorFlow	
Mathematical Skills	<b>Competencies:</b> Convex Optimization Algorithms, Calculus, Database Design, Propositional Logic, Distributed Computing  <b>Machine Learning Experience:</b> Neural Networks such as MLP, LSTM, CNN; PCA; Support Vector Machines; Random Forests; K-Nearest Neighbour; Naive Bayes Classifiers; NLP, and more	
Experience	<b>Machine Learning Consultant</b> Old Republic Insurance	<b>October 2017 — May 2018</b>
	This contract involved analyzing customer data to uncover better market clusters and other valuable business insights using various unsupervised learning techniques. Additional data was scraped online to augment the available information.	
	<b>Machine Learning Engineer Intern</b> Sensibill	<b>Summer 2017</b>
	This position involved participating as a member of a small R&D team. Notable accomplishments include improving an OCR process, developing a 98.9% accurate LSTM-based language classifier, and improving a key data pipeline to handle arbitrarily large datasets.	
	<b>Teaching Assistant</b> McMaster University	<b>September 2016 — Current</b>
	I have assisted in teaching "Digital Systems and Interfacing," "Software Development Skills," "Performance Analysis of Computer Systems," and "Operations Research." These courses cover optimization techniques, queuing theory, statistics, bash scripting, Markov chains, and more.	
	<b>Research Assistant</b> McMaster University	<b>May 2016 — September 2017</b>
	I had two supervisors for this position: Dr. Jeffery Zucker and Dr. Antoine Deza. My first project was to prepare course material for "2FA3: Discrete Math with Applications II" using LaTeX. My second project involved architecting an analytical system which utilizes machine learning to predict which applicants would accept offers of admission to the university.	