

# TEMRAZ MOHAMED

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## OBJECTIVE

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Develop large scale machine learning algorithms for data driven products.

## EDUCATION

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### University of Toronto

Sep. 2011 - Dec. 2013

*M.Eng. Electrical and Computer Engineering*

**Highlights:** Statistical Machine Learning, Advanced Machine Learning, Neural Networks, Natural Language Processing, Algorithms and Data Structures, Robotics.

**Projects:** Text Classification, Character Recognition, Language Modeling, Document Retrieval.

### The American University in Cairo

Sep. 2004 - Dec. 2009

*B.Sc. (Honors) Mechatronics and Robotics*

## PAPERS

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- Mohamed Temraz, Shehab Sayed. A Feedforward Neural Network for Language Modeling. University of Toronto. Dec. 2012.
- Mohamed Temraz. A Deep Learning Approach for Information Retrieval. University of Toronto. May 2013

## TECHNICAL SKILLS

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**Programming:** Python, Scala, Java, Matlab.

**Big Data Processing Tools:** Spark, Hadoop, GPUs (via Theano).

## WORK EXPERIENCE

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### JP Morgan Chase

Dec. 2014 - present

Machine Learning Scientist

Description: I work in the Digital Intelligence team where I focus on Content Personalization. I am the core developer for JP Morgan's recommender engine (recommending giftcards, travel packages, news stories). I also develop unsupervised feature learning and deep learning algorithms for various tasks: developed a deep learning package in spark in one of the projects. I mainly use Scala/Spark and Python/Spark.

### Censio

May 2014 - Dec. 2014

Machine Learning Software Engineer

Description: Develop machine learning algorithms to find patterns in driving behavior. Algorithms I developed at Censio: Deep Neural Networks, Autoencoders, RBMs, and others. I mainly used Python (with statistical packages) and ran experiments on GPUs.

*References Provided Upon Request*