Mohamad AZIZI

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EDUCATION

2018-2019   **Master of Engineering - Electrical & Computer Eng,** Concordia University - Distinction

2019   **Applied Machine Learning - Computer Science,** McGill University

2013-2015   **Master of Science - Computer & Communication Engineering,** Lebanese University

2010-2013   **Bachelor of Science - Communication Engineering,** Lebanese University

PROFESSIONAL WORK EXPERIENCE

2016-2018   **Python Developer - NewTech**, Lebanon
- Work with Data Scientist and Product Managers to frame a problem, both mathematically and with the business context
- Building either IR, NLP, deep learning or machine learning algorithms
- Develop high precision classifiers and tools leveraging machine learning, regression and rule-based models
- Use open-source machine learning and deep learning framework (Pandas, Numpy, Scikitlearn, Matplotlib, Keras, TensorFlow)
- Maintained Git workflows for version control(source code management)

2013-2016   **Senior Account Executive – Express,** Lebanon
- Elevated account management by predicting potential competitive threats and outlining proactive solutions.
- Strengthened customer relationships with proactive and collaborative approach to managing needs.
- Liaised between clients and support team to resolve issues quickly and effectively.

PROJECTS

NLP - sentence classifiers using CNN on top of pre-trained word vectors, Word2Vec.

IMBD Sentiment Analysis- 90% Kaggle score (top 10 teams) Bernoulli Naive Bayes was implemented from scratch with Laplace smoothing

Modified MNIST - 96% Kaggle score - CNN was used to classify 100, 000 hand written digit images

Data Analysis - Supervised algorithm was built from scratch to predict the popularity of comments on Reddit.com

TECHNICAL SKILLS

- **Tools**
  Python, Java, Hadoop, Spark, Pig, Hive, SQL
- **Industry Knowledge**
  Machine learning, Deep learning
- **Libraries**
  Scikit-leam, Numpy, OpenCV, Word2Vec, Pandas, Tensorflow, Keras
- **Cloud Computing**
  AWS – Azure
- **MAC OS**
- **Microsoft windows 7, 8, 10**
- **Linux (Fedora, Ubuntu)**