

Alexandre Attia

MSc student, Application for a Research Internship

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Experience

- feb - aug 2017 **Data Scientist Intern, Thuuz Sports, Palo Alto, CA, USA**
- Lead the development of Deep Learning algorithms to identify objects in real-time sports game videos
 - Multi characters text recognition and detection using TensorFlow language and different convolutional neural networks for sports highlights reels
- jul - dec 2016 **Data Scientist Intern, C-Radar, Paris, France**
- B2B predictive marketing using statistical techniques and machine learning
 - Data classification of companies website (8M of websites)
 - Data Mining : extraction information from companies dataset
- apr - jul 2015 **Research Intern, Industrial Engineering Dpt, Tel Aviv University, Israel**
- Software development in Robotic and Computer Integrated Lab
 - Adaptation of the lab to the Internet of Things

Education

- 2017 - 2018 **MSc Data Science (MVA), Ecole normale supérieure de Cachan, France**
Machine Learning, Graphs, Object Recognition, Deep Learning, Reinforcement Learning, Medical Image Analysis, Learning for text data
- 2014 - 2017 **MSc Engineering, Ecole des Ponts, France**
Machine Learning, Design Thinking, Software development and programming, Analysis, Probability Theory, Strategy & Innovation (GPA 3.89)
- 2011 - 2014 **BSc Physics & Maths, Post-secondary preparatory school, France**
Maths (Calculus, Linear Algebra, Analysis), Physic, Chemistry (PC) (GPA 3.9)*

Skills

- Languages English, Python, Matlab, AngularJS, C++, HTML/CSS
- Tools Pandas, Keras, TensorFlow, Scikit-Learn, Numpy, Git, Jupyter Notebook
- Soft skills Team work, curious, communication, adaptability

Projects

- Personal Building an open source dataset The Simpsons characters and training a deep learning model (Faster RCNN) to detect/recognize each character with Keras.
- College Study of the depth in Deep Learning and the impact on the accuracy of multi-layer neural networks (classification tasks).
- Kaggle Training on Kaggle competitions : bike sharing, NYC Taxi trips, Amazon from space
- MOOC Stanford Uni., Machine Learning (Coursera) / Deep Learning by Google (Udacity)
- Associative Genius : Student entrepreneurship network (in French Grandes Ecoles). Events to offer students opportunities to start, partnership (Alten SA)
- Volunteerism Building a movable shelter using wood and craft for Roms

Hobbies

- Photography Personnal portfolio, exhibitions in a hospital, film and digital photography
- Other All sports news, Soccer, Music (Blues, Rock, Electro), Travel (India, Japan, Botswana)