Ayoub Abraich

Research Intern for CIFRE Thesis

- 29 May 1996
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About me

13,000 Connections On LinkedIn
Passionate about Artificial Intelligence, more on Machine Learning (Supervised, Unsupervised and Reinforcement Learning) to develop models for decision making and/or optimization under uncertainty and dynamical systems . My professional project is to do research in the field of Data Sciences (ML,DL,RL,NLP).
My publications : Researchgate

Skills

- C,C++
- Optimisation,Stochastic Calculus
- Data Sciences (ML,DL,RL,NLP)
- Python,R,Scilab,Matlab,Sage,LaTeX
- PyTorch,TensorFlow

Interests

- High-dimensional statistics
- Data Sciences (ML,DL,RL,NLP)
- Stochastic calculus & Hidden Markov Models

Education

2019 - 2020	Master 2	Paris-Saclay University
	Data Sciences - UEVE	
2019	Data Science Summer School (DS3)	École Polytechnique
	Series of courses and practical sessions covering the latest advances in the field of data science.	
2018 - 2019	Master 1	Aix-Marseille University
	Fundamental Mathematics : Distance Learning	
2018 - 2019	Master 1	Paris-Saclay University - UEVE
	Applied Mathematics & Interactions - Top of class	
2017 - 2018	Bachelor	Paris-Saclay University - UEVE
	Applied mathematics - Top of class	
2016 - 2017	Engineering School	INP-Enseeiht
	Computer Science & Applied Mathematics - Reorientation	
2014 - 2016	Higher School Preparatory Classes - CPGE -	Pierre d'Ailly,Pierre de Fermat
	Two-year highly selective classes to prepare for the competitive exams to the Grandes Ecoles: Mathematics, Physics and Engineering Science	

Experience

04/19	Member	AIMAF & AFIA
	Association des Informaticiens Marocains en France & Association Française pour l'Intelligence Artificielle	
04-08/19	Research Intern	Applied Mathematics Center (CMAP)- École Polytechnique
	Implementing deep reinforcement learning algorithms on a "Visually Grounded Question Answering" task to improve dialogue generation. Supervisor : Pr. Eric Moulines.	
03-05/18	Research Intern	Laboratory of Mathematics and Modeling of Évry
	Deep Learning On Mimic-III : Prediction of Mortality Within 24 Hrs. Supervisor : Pr. Agathe Guilloux.	

Projects

08-2019	Deep Reinforcement Learning for Visual Question Answering
11-2018	Two Applications of Methods of Data Analysis with R
06-2018	Machine Learning for Breast Cancer Diagnoses
05-2018	Deep Learning On Mimic-III : Prediction of Mortality Within 24 Hrs
04-2018	The PageRank algorithm : Theory & Implementation in Scilab
04-2016	Effective resolution of diophantine equations - Runge method

Awards

2018-2020	Scholarship of excellence of Jacques Hadamard mathematical foundation
2016-2017	Merit Scholarship of OCP foundation

Certifications

06/2018	Machine Learning - Stanford University
08/2018	Machine Learning with R - IBM
01-2019	Deep Learning Specialization