

Ayoub Abraich

Research Intern for CIFRE Thesis



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Evry , France



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About me

12,000 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