IVÁN VALLÉS PÉREZ

Sr Data Scientist at Amazon EU SC Science and part time PhD student in Deep Learning at University of Valencia. Proactive, with a clear interest in state-of-the-art research. **Looking for a Research Scientist position**.

phone: (352) 691 149 661
mail: ivanvallesperez@gmail.com
chime & skype: @ivallesp
addr.: Luxembourg

gh: github.com/ivallesp
kaggle: kaggle.com/ivallesp
so: stackoverflow.com/u/3742686
lkdin: linkedin.com/in/ivallesp

WORK EXPERIENCE

Senior Data Scientist at Amazon Supply Chain Science team | Luxembourg | 04.2019 - Present
· First team member, in charge of bringing the (deep) ML expertise to EU Supply Chain teams.
· Developed a ML solution to daily forecast the inbound demand at warehouse level for all EU.
· Currently developing a Deep Reinforcement Learning algorithm for improving speed through inventory proactive transfers.

AI Researcher and PhD Student at Intelligent Data Analysis Laboratory (UV) | Valencia | 06.2013 - Present
· Involved in several research lines related to Deep Learning and Deep Reinforcement Learning algorithms.
· Currently engaged in a PhD program as a side activity (since 2018)

Senior Data Scientist at McKinsey & Company | Madrid | 06.2016 - 02.2019
· Developed machine learning solutions for more than 10 clients around the globe belonging to 5 different industries.
· Developed 5 new applications for our clients using state-of-the-art Deep Learning techniques.
· Lead teams up to 10 data scientists + data engineers.

Lead Data Scientist at Quarizmi AdTech | Valencia | 11.2014 - 06.2016
· Used Machine Learning and NLP techniques to generate and maintain digital marketing campaigns in Google Adwords.

Data Scientist at Psychology department of University of Valencia | Valencia | 05.2014 - 11.2014
· Analyzed data coming from clinical psychology studies using advanced Machine Learning techniques

ACADEMIC HISTORY

Ph.D. in Deep Learning algorithms and applications | University of Valencia, Spain | 2018-Present
M.Sc. Languages and Computer Science Systems (NLP) | UNED, Spain | 2016-2018
B.Eng. Electronics of Telecommunications | University of Valencia, Spain | 2009-2013

FURTHER EDUCATION

Deep Reinforcement Learning Nanodegree | Udacity | 2018
Practical Reinforcement Learning | National Research University Higher School of Economics, Coursera | 2018
Deep Learning Specialization | Andrew Ng, Coursera | 2018
Neural Networks and Machine Learning | Geoffrey Hinton, Coursera | 2017
... more than 30 additional MOOCs and online courses from Coursera, EdX, Udacity and Stanford Lagunita

PROJECTS AND ACHIEVEMENTS

Generative Adversarial Networks for text generation | M.Sc. thesis | Mark: 4/4 | 06.2018
· Free text generation using Generative Adversarial Networks. The algorithm proposed was able to generate free text by combining a seq2seq and convolutional architecture with GP-GANs. Link to the thesis: www.uv.es/ivape3/memoria_tfm.pdf

Application of Genetic Algorithms to Extreme Learning Machine | B.Eng. thesis | Mark: 3.7/4 | 11.2012
· Developed the Genetic ELM algorithm: using Genetic Algorithms as an alternative method to Moore-Penrose pseudo-inverse for training shallow neural networks. Link to the thesis: www.uv.es/ivape3/memoria_pfc.pdf

Open Source Contributions to machine learning related projects
· Contributed to large open source Python libraries in GitHub: *google tensorflow*, *scikit-learn*, *pandas*, *xgboost*, *sompy*, ...
· Developed the *somnia* library for running Self-Organising Maps in Python. Available in my GitHub.

Kaggle competitions: BNP: 22nd/2947 | Santander product recommendation: 22nd/1787 | Springleaf: 76th/2225.
Attendance at research conferences: NIPS 2016, NIPS 2017 and NeurIPS 2018 among others.

SKILLS

Coding: Python (w/ Pytorch, Tensorflow and Ray+RLLib), Bash, R, Matlab, LaTeX, SQL, C++, git & mercurial, docker
Big Data & cloud: Apache Spark, Redis, Amazon Web Services, Google Cloud, Terraform
Languages: Native Spanish and Catalan. Professional in English.

JOURNAL PAPERS

Beating human performance at recognizing speech commands in temporal domain, *Neural Processing Letters*, Iván Vallés-Pérez, Fernando Mateo, Joan Vila-Francés, Antonio J. Serrano-López, Emilio Soria-Olivas. | 2020 [waiting for approval]
Visual Data Mining With Self-Organizing Maps for "Self-monitoring" Data Analysis, *Sociological Methods & Research*, E. Oliver-Gasch, I. Vallés-Pérez, R.M. Baños-Rivera, A.J. Cebolla-Martí, C. Botella-Arbona, E. Soria-Olivas. | 2014
Self-Organizing Maps in the analysis of EMAs in a treatment for childhood obesity treatment, *International Society for Research on Internet Intervention (ISRII)*, R. Baños, E. Oliver, A.J. Cebolla, I. Vallés, E. Soria, C. Botella. | 2014

Referees, references, recommendation letters and additional information will be provided upon request