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David Camino Perdones | Resume

- Status: Machine Learning Engineer at The MindKind, M.Sc. in Mathematics, M.Sc. in Computer Science
- Tech skills: Python, Shell Scripting, Java, SQL, Git, Docker, Kubernetes, Jenkins, Ansible, Prometheus, Grafana, Spark, AWS
- Languages: Spanish [Mother Tongue], English [Advanced Level - C1], French [Intermediate Level - B1]

Summary

Research-oriented science and technology professional in artificial intelligence with a broad background in the fields of mathematics and engineering. Enthusiastic about continuous learning for personal and professional development.

Experience

'22/03 - Now **Machine Learning Engineer** The MindKind S.L

- Research on algorithms with human-like behaviour to develop Artificial General Intelligence (AGI) systems for the metaverse, with the support of applied research in Neuroscience.
- Software architecture and design of the full MLOps cycle for customized ML solutions.
- Work with up-to-date reinforcement learning and computer vision algorithms.
- Full develop of an API-driven solution engine that can be integrated with other commercial systems.

'21/10 - '22/03 **Machine Learning Engineer** Sciling S.L.

- Cloud Computing: use of Amazon Web Services (AWS) architecture to leverage complete machine learning solutions - full MLOps cycle on AWS -.
- Full implementation of MLOps cycle for local machine learning solutions, CI/CD pipelines and monitoring.
- Working in Snorble project: an AI-driven device with a speech recognition system to support children in developing healthy habits.
- Use of a Linux environment and containerization techniques.

'20/11 - '21/09 **NLP Research Engineer** Carlos III University of Madrid

- Research position in Natural Language Processing (NLP) oriented to the discover of rare diseases.
- Development of specific Natural Language Processing models and methods in combination with several general machine learning techniques, with a main focus over deep learning -neural networks- category and Transformers techniques.
- Deployment and management of a biological corpus in brat standoff format (with additional support on Python scripts).
- Text processing and classification, morphological and syntactic analysis, lexical and relational semantics, relationship prediction and extraction, along with other NER tasks.

'20/01 - '20/10 **Data Scientist** Cancerappy S.L.

- Develop of different modules of artificial intelligence to optimize cancer drug development through machine learning and deep learning methods -neural networks-.
- Data gathering and featuring engineering on several medical corpus (including web scrapping and ETL -extract, transform and load- process).
- Integration, organization and management of a biomedical database (SQL language).
- Statistical analysis and study of different medical indicators and results to drive business value.

'13/08 - '18/09 **Aeronautical Engineer Senior Consultant** Akka Technologies S.L.

- Develop of customer services functions in a teamwork context for aeronautical engineering processes in relation to Airbus aircraft's documentation.
- Proofreading and quality control tasks aimed at monitoring, analysing and managing the different teamwork operations in the international supply chain.

Education

2019 - 2021 **Master of Science in Computer Science and Technology. Artificial Intelligence Specialization** — Carlos III University of Madrid

- Master's Thesis: Named entity recognition and relation extraction through deep learning techniques.
- Biologically inspired computation. Agents and multi-agent systems. Unconventional Computation. Automated Planning. Automatic Programming. Modelling, simulation and optimization.
- Distributed Systems Design. Process management. Models and methods for the evaluation and improvement of the software process.

2018 - 2020 **Master of Science in Industrial Mathematics. Numerical Simulation Specialization** — Carlos III University of Madrid

- Master's Thesis: Modeling and development of pharmacological data analysis systems using deep learning techniques.
- Stochastic numerical methods. Ordinary differential equations. Dynamical Systems. Partial differential equations. Continuum Mechanics. Numerical methods for partial differential equations. Numerical methods and programming.
- Mathematical models in finance. Mathematical models in electromagnetism and optics. Professional software in finance. Professional software in electromagnetism and optics.

2007 - 2012 **Bachelor of Science in Aeronautical Engineering. Aircraft Specialization** — Polytechnic University of Madrid

- Bachelor's Thesis: Design and compute of the full life cycle and operation of an emergency helicopter (HEMS).
- Develop, design, analysis, control and management of aerospace vehicles as well as the appropriate tools to ensure its correct function and maintenance.

Other Education

Now **Certificate Programs**

- [Career Path] - *Data Analyst in Python*. Link to: verified certificate.
- [Career Path] - *Data Scientist in Python*. Link to: verified certificate.
- [Career Path] - *Data Engineer*. Link to: verified certificate.
- [AWS Cloud Practitioner] - *Amazon Web Services Training and Certification*.
- [KodeKloud] - *Jenkins, Docker/Docker Swarm, Ansible, Shell Scripting, Linux, Git, DevOps.*

Publications

- Segura-Bedmar, I., Camino-Perdones, D., Guerrero-Aspizua, S. (2021) *Exploring deep learning methods for recognizing rare diseases and their clinical manifestations from texts.* BMC Bioinformatics.

Personal Website

[Personal Website] - https://cadovid.github.io/