Pol Puigdemont Plana

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Data Scientist and Engineer with professional industry and research experience. I am enthusiastic about building. I enjoy fast-paced environments and learning with people.

EDUCATION AND RESEARCH EXPERIENCE

École Polytechnique Fédérale de Lausanne [current]
Research Intern - LIONS Lab

Georgia Institute of Technology
B.Eng Data Science and Engineering - Academic Exchange
+ Research Semester Project in Synergy Lab and Sharc Lab on Adaptable Hardware Accelerators for Graph Neural Networks.

École Polytechnique Fédérale de Lausanne
B.Eng Data Science and Engineering - Academic Exchange
+ Research Semester Project at LIONS Lab "Learning to Remove Cuts in Integer Programming" **ACCEPTED AS A CONFERENCE PAPER IN ICML 2024**.

Technical University of Catalonia - UPC BarcelonaTech
B.Eng Data Science and Engineering
Awarded year abroad at EPFL and GaTech, Data Students Association President for 2yrs, Mentorship and Tutorship Programs, Maths Faculty Basketball team.
+ Research in Graph Neural Networks under the supervision of prof. Sergi Abadal under an INIREC scholarship.

INDUSTRY EXPERIENCE

Data Scientist   Jun 2023 - Dec 2023 (10 months)
Capchase (Internship Contract)
Development of tools around Large Language Models (LLMs). More specifically, building Retrieval Augmented Generation (RAG) pipelines to assist internal operations such as communication reviews, data insights and documentation search.

Data Scientist   Sep 2022 - May 2023 (9 months)
MANGO (Internship Contract)
- Development of end-to-end Machine Learning and Pricing Optimization projects. From ETLs over the datalake, model design, model training, orchestration and deployment in cloud services.

Software Engineer   Sep 2022 - May 2023 (9 months)
BCN eMotorsport
- Open development of a rule compliant Formula Student circuit generator and a Deep Learning supervised segmentation algorithm for track limits detection from LiDAR inputs in collaboration with TSC UPC.

Data Scientist (x2)   Jul 2021 - Sep 2022 (2x Summers - 5 months)
TAVIL (Internship Contract)
- Development from scratch of a new deep learning vision pipeline for generalizable error detection in plastic. Improved accuracy +5% needing 80% less training data.

SKILLS

python, c++, machine learning, mathematical optimization, javascript, research and development, statistics, data analysis, data processing, data visualization, algorithms, proficient english, native spanish, native catalan, basic french

Last update 20th July 2024