PIETRO TANURE

Applied Maths Engineer at ENSTA Paris

Looking for entry-level Data Science and Machine Learning position

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- in pietro-tanure

S pietrotanure.vercel.app

9 Paris, France

LATEX

Java

• Native Portuguese

MATLAB

EXPERIENCE

Machine Learning Researcher	Intern		Languages
XXII Group - Leading French soft	ware publisher in Computer Vision		• SQL •
🛗 Apr. 2023 - Oct. 2023	Paris, France		• C/C++ •
 Anomaly detection on images using large scale vision-language models. Proposed a novel YOLO+CLIP model, for multi-modal object recognition that is a good compromise between precision and speed, being faster than current SOTA. Developed new features in existing API through Continuous Integration (CI) Pre-trained and fine-tuned Vision-Language Models for object recognition Python Pytorch Data Science VLMs Docker Anomaly Detection 			 R Frameworks PyTorch Keras TensorFlow/TFX Pandas Docker
Master's degree Intern			
ONERA - The French Aeroespace	Lab		LANGUAGES
🋗 Mar. 2022 - Aug. 2022	Meudon, France		Fluent French
 Data-oriented modeling of flow in aircraft engine diffuser. Proposed a novel autoregressive model for time series analysis and forecasting that accurately simulated changes in stability of the system 			Fluent EnglishConversational S
 Modeled CFD flow simulations 	in Python (FEniCS) and C++ (FreeFE	M)	COURSES
Computational Physics Interns		s Media	 DeepLearning.AI MLOps Specialization gineering for Pro EXTRACURRICU
			LATRACORRICO
ods	ulation of glass deformation using m of simulations using Python to find		Open Source line Machine Incremental L streaming dat
Monte Carlo Optimisation	Fortran90 Shell Mathematica)	CFD Brasil Founding Member
Engineering Internship			🛗 May. 2021 - in pro
ISQ - Engineering consulting company			 Group of 100 particular dissemination of related to the fiel mathematical mode. Weekly meetings
• Thermal and Structural analysis	done using Finite Element Method		field. Watch a m
MATLAB Mathematical Mode	ling FEA SolidWorks		2° Place 1500 College athlet
EDUCATION			team in state
Master of Science in Engineeri	ng - "Diplôme d'Ingénieur"	3.7/4 GPA	REFERENCES
ENSTA Paris 2020 - 2023 Courses: Machine Learning Data Data Streams	Paris, France bases NLP Computer Vision Par	rallel Computing	 Luiz Machado - E neering School o luizm@demec.ufi Quoc Cuong Le - Group quoccuon
Master of Science in Fluid Meo Institut Polytechnique de Paris	chanics	3.5/4 GPA	HOBBIES ANI

🛗 2021 - 2022

9 Paris, France

SES

- ch
- ish
 - Basic German

PROGRAMMING SKILLS

• Python

• Fortran

Shell

g.Al at Coursera - 80hours

cialization - Machine Learning Enr Production.

RICULAR ACTIVITIES

ource Contribution: River Onhine Learning ntal Local Outlier Factor for ıg data

nber

in progress

- 00 participants dedicated to the on of techniques and methods ne field of fluid mechanics and al modeling.
- etings to share experience in the h a meeting

1500m State Race

athlete representing the UFMG state athletics competitions

CES

- do Deputy-director of the Engiool of UFMG ec.ufmg.br
- g Le ML Researcher at XXII cuong.le@xxii.fr

AND INTERESTS

• Running • Cinema • Boxing • Hiking • Meditating • Learning • Reading

- Hugging Face River Online ML
 - Git
 - Next.js
 - AWS

nal Spanish