AIO ELMOR LANG

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EXPERIENCES

Al Research Intern

Fieldbox

🛗 April 2023 – September 2023

Bordeaux, France

Weakly supervised learning applied to industrial defect classification on images.

- Developed an R&D methodology, while keeping the business use case in mind. Kept a bibliographic study and built experimental protocols to test hypotheses and compare modeling strategies.
- Informed future product and sales decisions, reducing the need of labeling images on the clients' side.
- Developed a workflow with cutting-edge open source tools for data versioning and visualization.

Python: Pytorch	Anomalib	Plotly	MLFlow	DVC	FiftyOne
Other: Technical V	Vriting Pre	sentation	Git Su	btree	

Fullstack Engineering Intern

Heex Technologies

🛗 April – August 2022

Paris, France

- Implemented testing of a web platform using Jest, achieving a 200% increase in code coverage, resulting in the reduction of average bug reports.
- Led big refactoring efforts to optimize a web platform, removing unused features, reducing loading times by up to 80%.
- Developed scalable React components and Node.js REST API endpoints. Helped with code review of two fellow interns.

JS:	React	Jest	Adonis	Next	Other:	Go	Git	Agile	SQL	
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AI Engineering Intern

AnotherBrain

🛗 October 2021 – April 2022

9 Paris, France

- Developed the core product, using Deep Generative Neural Networks for quality control, in a team of 7 Engineers.
- Developed an internal EDA tool, decreasing friction to collect, clean and visualize experiment results. Collected user feedback and turned the MVP into an internal tool that was adopted by two teams in AB.
- Investigated the trade-off between image resolution and training time, informing future business and product decisions.

Python: Pytorch | Docker | ClearML | Streamlit | Plotly

Other:	Git	Agile	
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Research Intern

IRCAM - Analysis/Synthesis team

🛗 May – August 2021

9 Paris, France

- Arranged, pre-processed and analyzed a new database with vocal performances in two languages (EN/FR).
- Benchmarked voice separation algorithms based on Deep Learning, supporting the work of a PhD candidate.

Python:	TensorFlow	Conda	Librosa	Pysndfile	Other: Bash	
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Internship

Electric Dreams / EDG

February 2018 – March 2019

São José dos Campos, Brazil

- Developed an Augmented Reality app for an e-Bike prototype.
- Developed (UI + software) an Android app to communicate with an e-Bike prototype.
- Java: Android | Unity: AR C#

Softskills: Communication Project Management | Software: Adobe Suite

EDUCATION

M2 | Artificial Intelligence & Data

Institut Polytechnique de Paris

2022 - 2023 **9** Palaiseau, France

- Classes at École Polytechnique, Télécom Paris & **ENSTA Paris**
- Machine Learning, Deep Learning, Reinforcement Learning, NLP, Optimization, Computer Vision, GPU Programming, Big Data, Data Visualization, Symbolic AI

Python: Pytorch Keras TensorFlow

DB: SQ	MongoDB	Redis	JS:	d3.js
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Highlight: Text2Img Generation

MSc Engineering | Double degree

ENSTA Paris

🛗 2020 – Ongoing (2023) 💡 Palaiseau, France

• Artificial Intelligence track

Highlight: Small-scale Autonomous Vehicle

BSc Engineering | Double degree

Unicamp

2016 - 2023

Campinas, Brazil

Highlight: Electric Formula Vehicle

LANGUAGES

Portuguese: Native

C2 English: Proficient French: Proficient C2

Spanish: Advanced **C1**

B2 German: Intermediate

SKILLS

Programming: Python JavaScript Java
C / C++ Julia Go MatLab HTML / CSS Bash
Tools: Git Docker Jenkins
Data: SQL Redis
Softskills: Communication Agile

Softskills: Communication Agile Presentation Design Leadership **Project Management**

VOLUNTARY WORK

Volunteer at Film Festival

Brésil en Mouvements Documentary Film Festival **#** 2022 **9** Paris, France

Summer Camp Counselor CIP 2016 - 2019

São Paulo, Brazil