Lounès Meddahi

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in LounesMeddahi
⭕ LounesMD
EU citizenship (French)

Education

2022–Present **M.Sc. in Computer Science**, *École Normale Supérieure de Rennes*, Rennes, France
The École normale supérieure de Rennes prepares, through a high-level cultural and scientific training, students for fundamental or applied scientific research.

2019–2022 **B.Sc. in Mathematics and Computer Science**, *University of Lille*, Lille, France
Summa cum laude.
B.Sc. thesis : A Proof of Identification for a blockchain based LoRaWAN join procedure.

Experience

2023–Present **Reinforcement Learning Intern**, *InstaDeep*, Paris, France
Topic : Reinforcement Learning for combinatorial optimization.

2022–2023 **Deep Learning researcher**, *IRISA – EMPENN*, Rennes, France
8-months research in Deep learning applied in Deep Learning for Brain stroke segmentation.
Detailed achievements:
○ Provided a bibliography study in Deep Learning for medical image segmentation.
○ Proposed and developed a new approach for multi-modality stroke segmentation (Python, Pytorch).
○ Tool used for medical purposes at the hospital in Rennes
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2022 **Blockchain Research Intern**, *IMT Nord-Europe – CERI SN*, Villeneuve d'Ascq, France
3-month state-of-the-art research in blockchain applied to IoT network performance.
Detailed achievements:
○ Design and development of a new method based on blockchain to improve performance in IoT networks.
○ End-to-end development (Python): model design, tests and results.
○ Submission of results to an international conference; Source code shared in open source.

2021 **Reinforcement Learning Intern**, *University of Lille – Scool*, Villeneuve d'Ascq, France
2-month discovery internship in research and Reinforcement Learning.
Detailed achievements:
○ Reading and implementation of different algorithms from the scientific literature (Python).
○ Interpretation and in-depth study of the algorithms; Source code shared in open source.

Skills and Interests

Languages French (Native), English (Proficient, TOEIC C1 : 955/990), Spanish (Basic)

Coding Python, C, Java, ···

Skills Reinforcement Learning, Deep Learning, Programming