Oussama ZAIBI

ARTIFICIAL INTELLIGENCE ENGINEERING STUDENT

I am currently in my final year of engineering studies at Télécom Paris, specializing in Artificial Intelligence, and I am actively seeking a permanent full-time position starting from september 2024.

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🔗 oussamazaibi.engineer
🖥 Open to remote work

SOCIAL NETWORKS

in linkedin.com/in/oussamazaibi

SKILLS

Programming languages
Python, Matlab, C/C++

Python Libraries
Pytorch, Tensorflow, OpenCV, NLTK, Scikit-learn, Seaborn, Matplotlib, Plotly

Others
SQL, Oracle, MySQL, Prompt Engineering, Accelerated computing, Git, Docker

Tools
Visual Studio Code, Jupyter Notebook

Methodologies & Modeling
Agile : Scrum, UML

ACHIEVEMENTS

NRW Hackathon & Telnet
1st place

Sup'Com CyberSecurity CTF
1st place

EarthAI Hackathon Dubai Expo
2nd place

CSTC Hackathon
3rd place

LANGUAGES

French
Advanced C1
> TFI – Test de Français International : 950/990

English
Advanced C1
› TOEIC : 965/990

Arabic
Native

Spanish
A2

WORK EXPERIENCE

Rexel, Data Science Engineer - Internship

Since March 2024 - 6 months , Paris

- Development of a robust RAG pipeline resulting in at least x5 cheaper solution.
- Creation of multiple knowledge bases for the company's internal chatbot.
- Implementation of an orchestrator to automate the data ingestion process.
- Comparison of different PDF parsing techniques and integration of the new parser in the pipeline.
- Manage the chatbot roles for users from different countries.
  Keywords: Python, Microsoft Azure, Langchain, Knowledge base, RAG.

Forensic Risk Alliance, AI Engineer - Internship

From October 2023 to February 2024 - 6 months , Paris

- Preprocessed, Extracted, and Structured informations from unstructured data.
- Adapted an unsupervised image classification model to the business usecase.
- Addressed the security and ethical implications of data extraction in forensics and compliance.
Keywords: Python, OCR, Document Understanding Transformer, Azure.

Altimate AI Inc. Software Engineer - Part-time job

From February 2023 to April 2023 - 3 months , San Francisco Bay Area

- Established an end-to-end pipeline transforming user queries into formatted data contracts.
- Tested on multiple architectures and prompts to optimize performance.
- Solved the querie-length constraint resulting in the ingestion of x8 longer prompts.
- Strengthened the backend by writing unit tests.
Keywords: Python, Git, Pytest, Prompt Engineering, GPT3-3.5, llama index.

Altimate AI, Software Engineer - Founding Member

From March 2022 to August 2022 - 6 motnhs , San Francisco Bay Area

- Built a low-code data-centric platform that helps data scientists handle their data.
- Collaborated with a team of 8 engineers to develop and launch the platform within a tight deadline of 6 months.
- Highlighted the efficiency of our product via demo notebooks showcased to investors.
Keywords: Python, Git, Data_visualization, Data_profiling, Insights_generation, Ipywidgets.

Datagram, Data Scientist - Internship

From July 2021 to August 2021 - 2 months , Paris

- Composed a time-series model that predicts sales resulting in higher ranking of our customers's products on Amazon.
- Utilized SQL queries to extract and manipulate large datasets > 5 billion rows, improving data accuracy and efficiency.
Keywords: Python, Time-series, Redash, SQL, Jupyter Notebooks.

EDUCATION

Télécom Paris (Ex Télécom ParisTech)

From September 2022 to December 2024 , Paris, FR, France
Specialization: Artificial Intelligence

Higher School of Communication of Tunis (SUP'COM)

From September 2020 to December 2024 , Tunis, TU, Tunisia
Specialization: Information and Communication Technologies

Preparatory Institute for Engineering Studies of Tunis (IPEIT)

From September 2018 to June 2020 , Tunis, TU, Tunisia
Specialization: Mathematics and Physics