Yanis MIRAOUI

Stanford, USA | +1 (650) 505 3509 | ymiraoui@stanford.edu | https://yanis.miraoui.com/

EDUCATION

Stanford University — Stanford, USA
MS Statistics & Data Science — September 2023 - June 2025
Imperial College London & ETH Zürich — London, UK – Zürich, Switzerland
MSci Mathematics, Grade: First-Class Honors — October 2019 - June 2023

LANGUAGES

French: Native	**English:** Fluent	**Spanish:** Fluent
Moroccan: Fluent	**German:** Professional proficiency	**Arabic:** Intermediate

PROFESSIONAL EXPERIENCES

Oracle — Redwood City, USA
Research Data Scientist Intern — September 2024 - Present
- Designed, implemented, and evaluated fully integrated LLM Agents at Oracle Labs, improving workflow automation for data scientists
- Collaborated with cross-functional teams to identify optimization opportunities, leveraging LLMs to improve agent accuracy

Stanford Computational Neuroscience Laboratory (CNS Lab) — Stanford, USA
Research Assistant — September 2023 – Present
- Built state-of-the-art Graph Neural Network models to measure neural fMRI connectivity of different brain parcels
- Developed an optimal parcellation method of brain regions reducing computational complexity and processing time for a wide range of downstream tasks by 70%
- Published and presented my research findings on GNN models for neural connectivity at the MICCAI 2024 conference

Snowflake — San Mateo, USA
Applied Research Data Scientist Intern — June 2024 - August 2024
- Developed a RAG chatbot enhancing sales team efficiency by integrating knowledge from PDFs and web pages
- Built a multilingual translation tool leveraging LLMs to improve translation quality and reducing content translation time and cost
- Led the creation of a forecasting model accurately predicting Sales Qualified Opportunities (SQOs) with less than 12% error rate

Stanford University — Stanford, USA
Course Assistant for CS 229, CS 225, MS&E 211DS & CS 236 — September 2023 – August 2024
- Led engaging weekly discussion sections, answered questions, and provided guidance on course content
- Lectured classes on advanced techniques for applying optimization in Machine Learning and Data Science
- Designed and graded assignments and exams, as well as mentored students' final projects

Egoli Media — Remote
AI Researcher Intern — August 2021 - September 2021
- Created a machine learning face recognition application using OpenCV and Dlib that can accurately identify athletes regardless of the way their faces are posed or if they are wearing eyeglasses or sunglasses
- Built NLP models using Transformers and sentiment analysis to classify sports commentaries and extract insights of sports events — achieved generalization accuracy of 82% on data from diverse sources

Sopra Steria Group — Rennes, France
Machine Learning Engineer Intern — June 2021 - August 2021
- Led an entire machine learning project from conception to implementation for customer service for a French telecom company
- Developed a full machine learning CI/CD pipeline leveraging BERT to reduce the resolution time of support tickets by +60%

LEADERSHIP

CODE4GREEN Hackathon — Berlin, Germany
Winner — July 2020
- Developed a machine learning application using Python that can detect with satellite imagery the pollution routes and cycles over rivers and seas to allow NGOs to better understand and target risk areas
- Awarded €3,000 for developing a machine learning application detecting pollution routes in water bodies using satellite imagery

PERSONAL PROJECTS

NFT Market Analysis and Trading — January 2022 - Present
- Developed an automated trading app on GCP that utilizes machine learning algorithms to predict NFT market trends, generating over $2,200 in monthly revenue.
- Created a dashboard using Dash and Heroku to visualize and summarize results as well as to optimize portfolio management

Sports Fantasy Prediction and Optimization — January 2021 – December 2023
- Gathered and engineered multiple datasets to build a Boosting model predicting the performance of athletes in the next game
- Built an algorithm implementing Linear Optimization to assemble fantasy sports teams, to earn +$3,000 in Daily Fantasy Contests

SKILLS AND PERSONAL INTERESTS

Python, R, C, SQL, NodeJS, Git, Google Cloud Platform, AWS, Microsoft Azure, Snowflake, LaTeX, Microsoft Office, G Suite