

OCTAVE JAGORA

MASTER OF SCIENCE IN ENGINEERING – DATA SCIENCE MAJOR - STRATEGY AND MANAGEMENT MINOR

octave.jagora@telecom-paris.fr

Portfolio : ojagora.github.io

[LinkedIn](#)

ABOUT ME

Technical Skills Python, MySQL, L^AT_EX, Google Workspace Tools

Languages Fluent in English and French (native); Basic Proficiency in Spanish; Notions of Mandarin

Art Technology Blender 3D, Lightroom

Interests Music Composition, Cinematography

WORK EXPERIENCE

Junior Entreprise

President, Telecom Etude

Paris (May 2023 - May 2024)

- Led a team of 32 members, managing over €100,000 in annual revenue, while delivering cutting-edge technical projects for more than 20 clients in AI, software development, and data science.
- Implemented operational and strategic initiatives to enhance team skills, ensuring the Junior Enterprise maintained its reputation as one of France's top student-led consulting firms.

CNRS - BioCIS Laboratory

Research Assistant

Paris (July 2023)

- Collaborated with two professors and a doctoral student, contributing to data science research in natural substance chemistry and decision-making mathematics.
- Conducted advanced computational analyses to analyse and benchmark a new compound novelty calculation function.

COMPETITIONS AND PERSONAL PROJECTS

CHIME: Predicting Molecules' Origins with Machine Learning

(2024)

- Developed an application that predicts the taxonomic group of a compound from its SMILES representation using an SVM model trained on 270k compounds
- Integrated SHAP values to explain predictions by highlighting key molecular features in similarity maps
- Empowered researchers to identify molecule characteristics relevant to taxonomic classification, aiding in the prediction of new compound structures
- Currently enhancing the tool with Graph Kernel (WL Kernel), GNNs, and XGBoost to improve model performance and explainability.

FALL-E: Fall detection prototype

(2022)

- Analyzed signals using metrics such as the Head Injury Criterion (HIC) and the Fall Index (FI) to assess the severity of falls.
- Successfully validated the system using real-world data from an online motorbike circuit dataset and a custom cyclist database, achieving accurate fall detection.

Phytoextraction for Radioactive Soil Remediation — National First Prize

(2018)

- Collaborated with a team of 14 students and the CEA and IRSN to explore the use of plants for phytoextraction of cesium-133 from radioactive soil.
- Presented the research findings with two peers, winning first prize at the national CGénial competition, and showcased the project at the International Radioprotection Congress in Dijon (2018) and in Cambridge, UK (2019).

EDUCATION

Télécom Paris — Polytechnic Institute of Paris

Paris, (2022–Present)

- Master of Science in Engineering (Data Science)
- Cumulative Average: 92%
- 1st Ranking French School in Computer Science

Sciences Po

Paris, (2024–Present)

- Management and Strategy
- Enhancing my engineering expertise with a strong foundation in business strategy and management.