

Océane TENEBAY

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EDUCATION

CY-Tech

Master's Degree in Engineering: Mathematics, Computer Science

Cergy, France

Expected Graduation: April 2026

WORK EXPERIENCE

Machine Learning Intern, THEMA - Élément Déclencheur – Paris, France

April 2024 – August 2024

- Developed machine learning models (Random Forest, Neural Networks) to detect outdated urban planning norms using data from 300,000 historical building permits
- Created prompt engineering techniques to extract regulatory details, with 84% accuracy, from Local Urban Plans with large language models (LLMs)
- Performed Optical Character Recognition (OCR) on 10,000+ Local Urban Plans using Amazon Textract, and prepared extracted data for further analysis by LLMs
- Automated download and storage of 10,000+ documents (50 GB) with Python and Google Cloud Storage
- Improved model accuracy by at least 5% via TensorFlow and Weights & Biases hyperparameter optimization (sweeps), analyzing performance of models with different configurations to identify the most accurate solutions

Data Analyst Intern, EDF – Fort-de-France, Martinique

June 2023 – August 2023

- Built data pipelines using Tableau to deliver real-time interactive dashboards for the finance team, cutting reporting time by over 50%
- Improved data comprehension and accelerated decision-making through intuitive and interactive data visualizations including charts, graphs, and filters
- Established a shared space for centralized Excel dataset management
- Wrote comprehensive procedural guides and manuals to ensure long-term sustainability of dashboards and facilitate seamless knowledge transfer within the 10+ member team
- Delivered weekly presentations and incorporated feedback to align with team goals

PROJECTS

SortingManager, Java, JavaFX

- Developed a desktop application simulating the management of a recycling sorting center, featuring a points-based reward system to encourage waste sorting and boost awareness and engagement in waste management

HappyNutrition, HTML, CSS, JavaScript, PHP, SQL

- Designed a health and nutrition website that enables users to create accounts, log personal data and meals, and calculate their BMI for personalized health insights

EXTRACURRICULAR

Madin'Japan Festival

Martinique's first Japanese and pop culture convention

- Attracted over 6,000 attendees to the convention, boosting the event's impact and visibility
- Secured sponsorships and partnerships by engaging with 10+ companies and providers
- Promoted the event on social media through original illustrations created with Krita

Sport Shooting National Championship

Competitor in France's National Sport Shooting Championship

SKILLS

- **Languages:** French (Native), English (Fluent), Spanish (Beginner)
- **Programming:** Python (TensorFlow, Scikit-learn), SQL, Java, JavaScript, HTML, CSS
- **Tools and Software:** Tableau, AWS, Google Cloud Storage, Excel, Krita (Digital Painting)
- **Interests:** Sport Shooting, Climbing, Drawing