Yaniv Benchetrit

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PROFESSIONAL EXPERIENCES

- January 2023-September 2024 **Decla.fr - Team Leader,** *Paris*
  - Led a team of developers to build a new AI-powered feature for processing historical tax documents and extracting the necessary information for accounting purposes.
  - Developed a system using Natural Language Processing (NLP) techniques to read PDF files and retrieve data from specific sections. Technologies such as Python with libraries like PyPDF2, Tesseract OCR for text extraction, and spaCy for entity recognition were utilized to accurately extract financial information from the documents.
  - Ensured that the extracted data was seamlessly integrated into the platform for continued tax declaration processes.
- January-December 2022 **Leaz.co - Co-founder & CTO,** CentraleSupélec Entrepreneur, *Paris*
  - Led the technical development and launch of an innovative real estate tokenization platform based on blockchain technology.
  - Managed the development of smart contracts and the integration of the blockchain infrastructure to tokenize real estate assets.
- Summer 2021 **Decla.fr - Intern,** *Paris*
  - Developed a full-stack web platform for online tax declarations using PHP, HTML, CSS, and JavaScript
  - Contributed to both the front-end and back-end development of the platform, ensuring a smooth and efficient user experience for tax filings.

ACADEMIC PROJECTS

- 2024 **Automated ESG Monitoring and Recommendations** - *CentraleSupélec*
  - Developed a web scraping tool to extract ESG regulations from an official European website
  - Created a machine learning model (using LLMs) to recommend future ESG measures for companies to ensure compliance with evolving European green regulations.
- 2024 **Neural Networks for Image Super-Resolution - Deep Learning Project**- *CentraleSupélec*
  - Developed a deep learning model using neural networks for image super-resolution.
  - Trained the model to enhance low-resolution images into high-quality outputs, applying convolutional neural networks (CNNs) to improve fine-grain details in images.
- 2023 **SNCF Train Delay Prediction -** *CentraleSupélec*
  - Developed a machine learning model in Python to predict SNCF train delays using various algorithms such as Random Forest, Support Vector Machines, and Gradient Boosting.
- 2021 **Facial Recognition for Classroom Attendance -** *CentraleSupélec*
  - Built a Python program for facial recognition to detect attendance for classes of 30+ students.
  - Implemented an algorithm to recognize faces and match them with student names, distinguishing present from absent students
- 2019 **Graph Theory and Image Processing Project -** *Université Paris Dauphine*
  - Developed a program in C to merge two faces from different photos by extracting one face and placing it onto the other image.
  - Utilized max-flow cut algorithms from graph theory to perform the segmentation and replacement of the face on the target image.

EDUCATION

- 2020-2024 **Ecole Centrale Supélec - Artificial Intelligence Specialization** , *Saclay, France*
- 2023 **Exchange program at National University of Singapore - Graph Algorithms and Computer Science classes** - *Singapore*
- 2017-2020 **University of Paris Dauphine-PSL - Licence in Applied Mathematics and Computer Science,** *Paris, France*
- 2016 **Scientific baccalaureate with High Honors,** *France*

SKILLS

Technical skills
- Statistical Modeling
- Numerical Probability
- Machine Learning / Deep Learning
- Data Science
- Graph algorithms

Programming / IT
- C / C++
- Python
- Html/Css/javascript
- NodeJs/Php
- Docker
- Git
- Machine Learning / Deep Learning librairies
- Data science librairies
- Full stack development

Languages
- French : native
- English : fluent
- Spanish: fluent
- Hebrew : intermediate