Company presentation

Magic LEMP

Our core business

Tailored AI by experts, for you

Our team

- The founders

Raphaël David Lasseri

Founder, CEO

PhD in nuclear physics

Former student of Ecole Normale Supérieure of Paris-Saclay

Marie Chupeau

Co-founder, R&D projet leader

PhD in theoretical physics

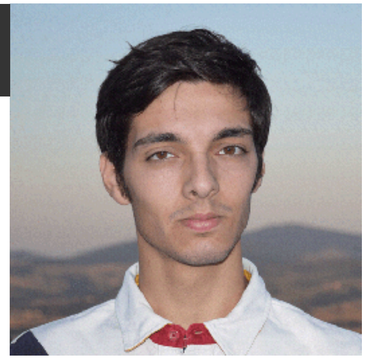
Former student of Ecole Normale Supérieure of Paris-Saclay
Agrégation in physics

Thomas Epalle

Co-founder, researcher

PhD in combustion

Former student of Ecole Normale Supérieure of Paris-Saclay
Former student of Ecole CentraleSupélec



Antonin Penon

Co-founder, CTO

Data-scientist

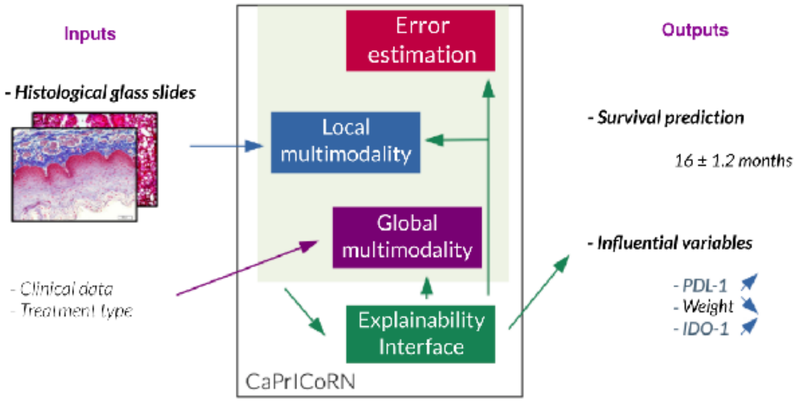
Former student of Ecole Normale Supérieure of Paris-Saclay

- Magic LEMP team is specialized in state-of-the-art artificial intelligence. It involves highly-qualified and versatile profiles (PhDs, engineers, …) with complementary expertises.

Our last achievements

- Winner of the 2020 AI4Curie challenge

AI-based predictions of the impact of immunotherapy on patient's survival

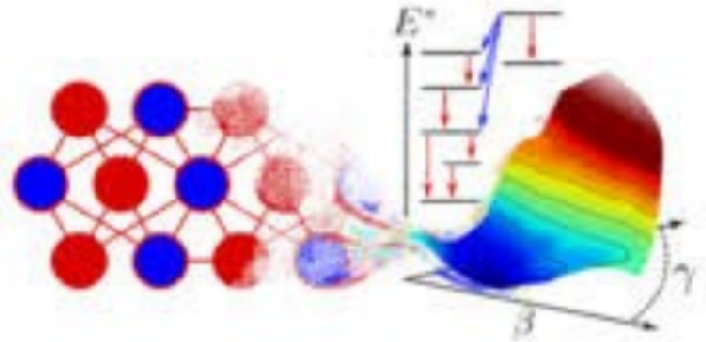


- Winner of the 2021 AI for Health challenge

AI-based multimodal and explainable quantification of the impact of an immunotherapy treatment on patient's survival

- Publication in a peer-reviewed journal

Convergence acceleration of heavy nuclear physics calculations by a factor 1000



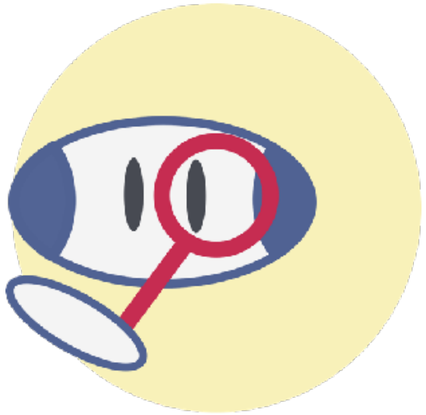
https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.124.162502

A tailored scientific and strategic service

Our core business is **explainable and trustworthy AI**. We offer a **complete and customized** service, from identifying your needs to integrating the technology we designed and developed for you into your workspace. Our service combines **strategy, R&D and skills training**.

A tailored scientific and strategic service

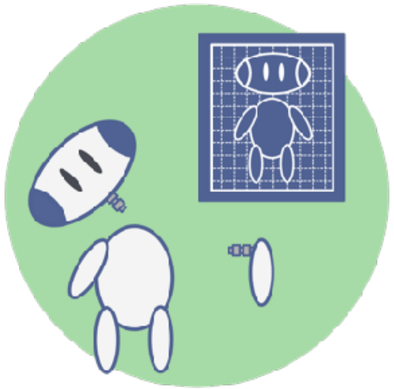
- During a first diagnosis phase, we get to know your firm and its **challenges**. We assess your resources (data, available skills).
- We identify your **untapped potentials**, and design with you a **tailored strategy** in order to boost your productivity.



DIAGNOSIS

A tailored scientific and strategic service

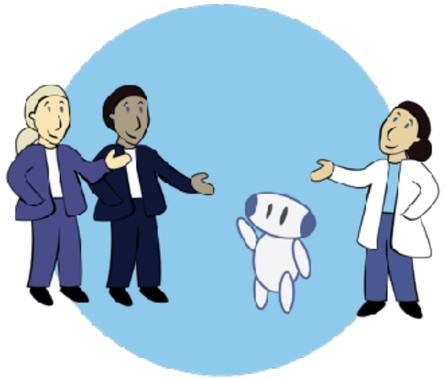
- Then we study the feasibility of the project. It results in a **proof of concept,** scientifically sound and well-documented.
- At the end of this exploratory phase, we carry out the whole R&D process, always in touch with your teams, up to the delivery of a **functional technological solution**.



PROOF OF CONCEPT → **R & D**

A tailored scientific and strategic service

Finally, so as to ensure a **successful human and technical integration** of our technology into your workspace, we provide you with **deployment assistance** and **skills training** for your teams.



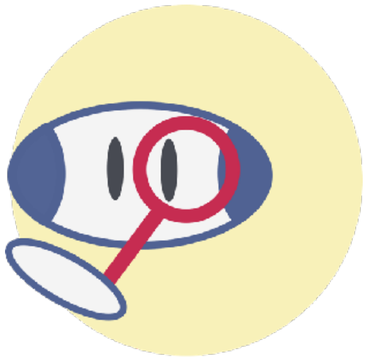
PRODUCTION

SKILLS TRAINING

Our expertise : AI in all its forms

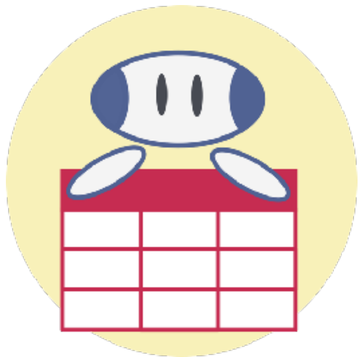
Our fields of expertise

COMPUTER VISION

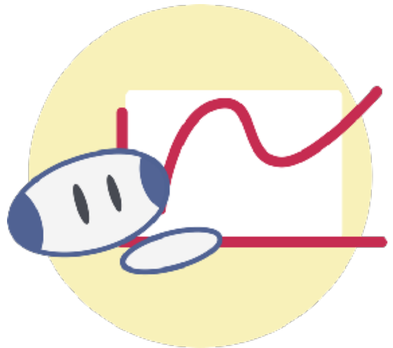


NATURAL LANGUAGE PROCESSING

TABULAR DATA



TIME SERIES



REINFORCEMENT LEARNING

*When it is possible, we design **explainable AI** (xAI) solutions. xAI provides predictions that a domain expert can more easily interpret. Explainability mitigates the "black box" effect often associated with AI, and is a key to build **trustworthy AI**.*

Trustworthy AI for key topics

Thanks to our expertise in trustworthy AI, we can tackle sensitive and crucial topics

Healthcare

- Pulmonary oncology (CaPrICoRN project with Institut Curie)
- Treatment by ultrasound

Civic tech

- Study on the propagation of fake news (PhD proposal)

Magic LEMP : a recognized expertise

Insertion in the French AI ecosystem

Quality labels

Awards in healthcare

- Winner of the 2020 AI4Curie challenge organized by Institut Curie
- Winner of the 2021 for Health challenge organized by the Ile-de-France region and Institut Curie

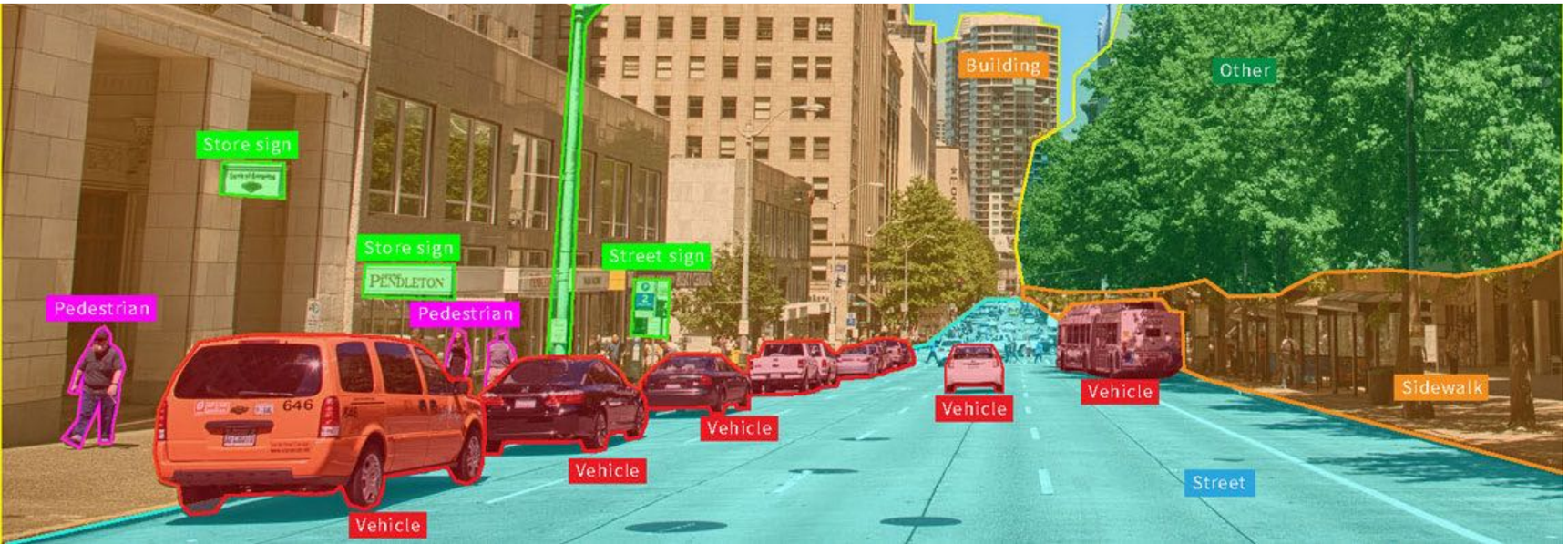
Our expertise : AI in all its forms

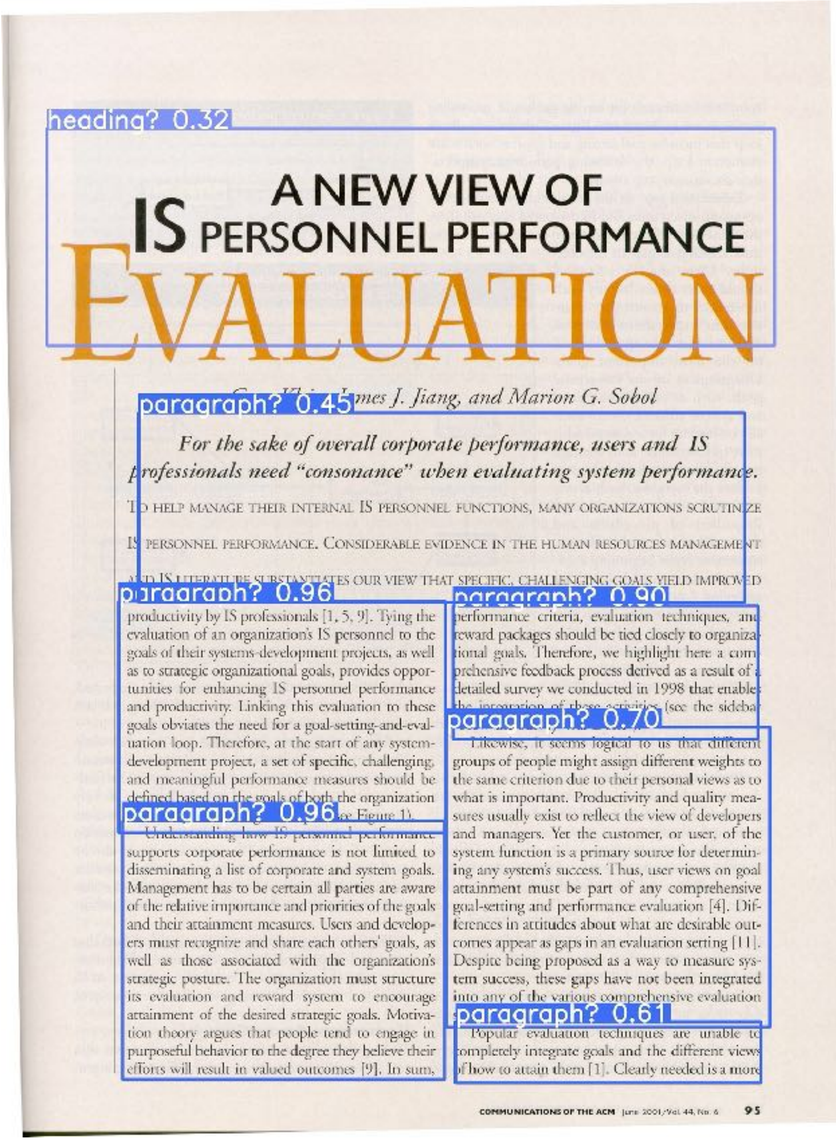
Computer vision

- *Document digitalisation*
- *Anomalies / defaults detection*

  supply chain, production supervision, diagnosis, ...
- *Behavior analysis on videos*

  security, accident prevention, analysis of client reactions, ...

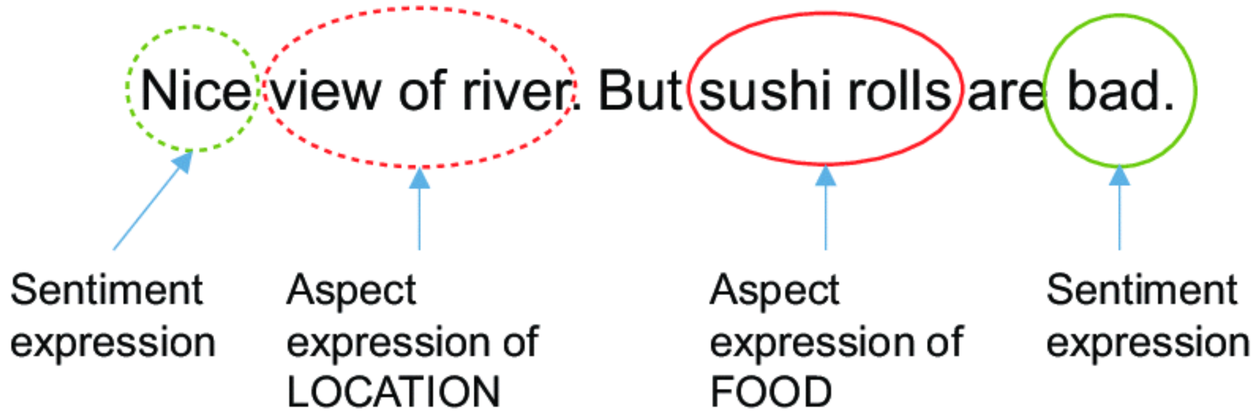


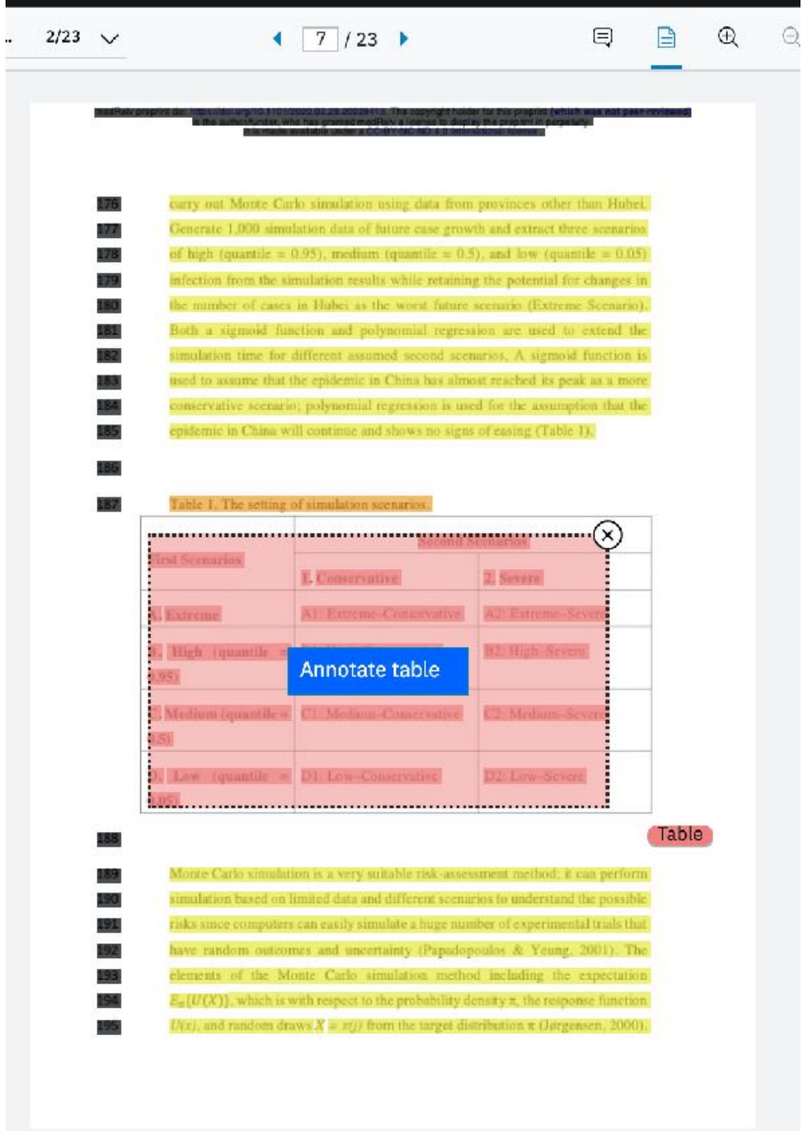


Our expertise : AI in all its forms

Natural language processing

- *Documents analysis*
  automatic watch, patentability, fraud detection, automatic summary, ...
- *Conversational agent*
  chatbot, analysis of client reactions, smart autocompletion, ...
- *Translation*
  automatic subtitles generation, vocal synthesis, ...

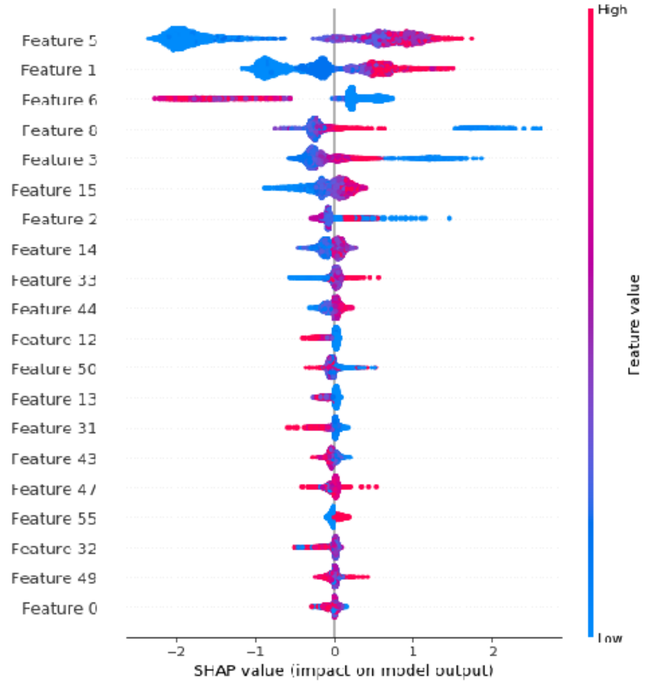


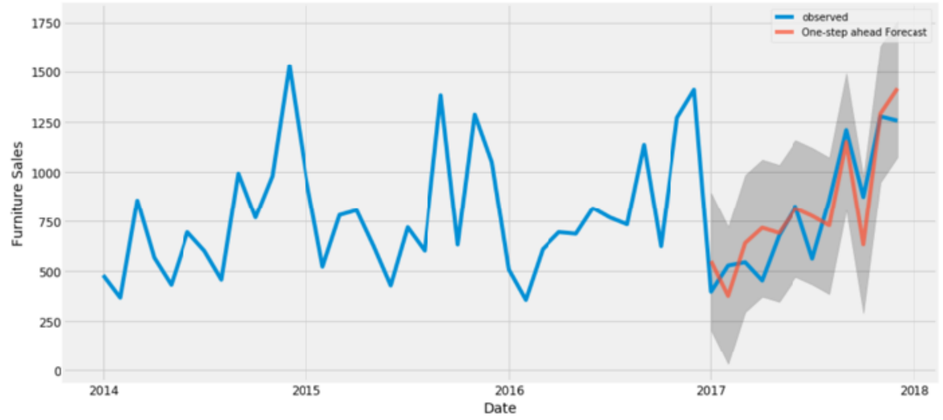


Our expertise : AI in all its forms

Tabular data

- *Data mining*
  market segmentation, anomaly detection, ...
- *Prediction*
  trends analysis, reconstruction of consomption trajectories, risk analysis, ...
- *Explanation*
  identification of significant factors, operational research, ...





Our expertise : AI in all its forms

Time series

- *Motion, speech control*
  customization, ergonomics, ...
- *Real-time alert*
  safety, supply chain, healthcare, ...
- *Digital twin*
  predictive maintenance, automatic pilot, simulator, ...

Tailored AI

There are no boundaries between our expertises, they can be combined without limit.

A crazy project in mind? Let us talk about it, we love challenges!

Tailored AI

- Our offer in a nutshell

BOOST YOUR PRODUCTIVITY THANKS TO STATE-OF-THE-ART AI WITH OUR COMPREHENSIVE SERVICE COMBINING STRATEGY / R&D / SKILLS TRAINING.

- Our pricing policy

We adapt our pricing policy to your ambitions, to the complexity of the task and to your financial status.

OUR OFFERS

DIAGNOSIS

DIAGNOSTICIA

CONSULTING

HIMALAIA

SKILLS TRAINING

BONZAI

Click to take an appointment

See you very soon

https://magic-lemp.com

SIRET : 84439862800025 MAGIC LEMP SAS with share capital of 1000 €
Training organization registered under the number 11910881491
2 rue Jean Rostand 91400 Orsay, France