Yaël GOSSEC - MSc student in Computer Science

Available for Internships: Aug. 2023 - Aug. 2024

in https://www.linkedin.com/in/yael-gossec/ @ yael.gossec@ensta-paris.fr

EDUCATION

Top Graduate School of Engineering

École Nationale Supérieure des Techniques Avancées (ENSTA PARIS)

Sep. 2021 - Ongoing Palaiseau, France

- Obtained **Bachelor of Science in Engineering** in Sep. 2022
- **Master of Science** to be obtained Sep. 2025
- Artificial Inteligence Major, Applied Mathematics Minor
- https://www.ensta-paris.fr/

Classes Préparatoires

Lycée Henri IV

Sep. 2019 – July 2021 Paris, France

- Highly competitive 2-year **intensive science program**
- 35 hours of small-group **university-level classes** per week
- Outcome: Admitted at ENSTA Paris. **National rank: 387/3494**

Exchange Academic Year

H-B Woodlawn High School - Junior Grade (Year 11)

Aug. 2017 – July. 2018 Arlington, Virginia, USA

- **Attained English fluency** by attending American High School
- **SAT score: 1290/1600** (Read/Write: 630, Math: 660).

EXPERIENCE

Research Intern

Pasteur Institute - Bio-Image Analysis Unit

May 2023 – July 2023 Paris, France

Computer Vision | Image Processing | Clustering | Multivariate Gaussian Fitting | Optimal Pairing

- Developing a **comprehensive data processing pipeline**
- Collaborating with supervising **academic experts** for insights.
- https://research.pasteur.fr/en/team/bioimage-analysis/

Volunteer Teacher in Africa

Cité de la Connaissance Cotonou

July 2022 - Aug. 2022 Cotonou, Benin, Africa

- **Set up a teaching schedule** for 100+ students, aged 3-18
- Played a key role in **conflict-solving** within the teaching group.

PROFILE

- I am looking for two **full time 6-month internships** between August 2023 and August 2024.
- I will then **resume and complete my MSc** (graduation planned: Sep. 2025).
- Fields of Interest:
  Machine Learning, **Computer Vision**, **Operational Research**

ACHIEVEMENTS

Administrator & Executive Committee member of TAEP: ENSTA's Junior Enterprise

Palaiseau, France

Oct. 2021 – Feb. 2023

Leadership | Commitment

- **Supervised** ENSTA students outsourcing R&D projects
- **Organized** weekly **team-meetings**
- **Business activity multiplied by 5**
- https://taep.fr/

CODING PROJECTS

- **April 2023** Solved a logic game using **Integer Linear Programming**, **Julia**, IBM ILOG **CPLEX solver**.
- **Jan. 2023** Multi-label **Image classification** project. Machine learning in **Python** using **Tensorflow**. Tested different Deep Learning Architectures.

SKILLS

English: Fluent
French: Fluent
German: Intermediate

Python | C, C++ | Matlab | Julia | PL/SQL | Tensorflow | Keras | IBM CPLEX | Git