



## Internship offer: theoretical and experimental benchmark of interferometric technologies

Co-founded by six experts in optics and mechanics, MAAGM is dedicated to using the science of light to provide scientific instruments for Earth sciences. Our cutting-edge technology, developed in collaboration with renowned laboratories, places optics at the heart of measurement devices that explore the planet — and not just the Earth.

MAAGM is seeking a motivated student eager to explore interferometry, comparing and implementing the most precise technology developed worldwide. To do so, the ability to read and understand academic paper is just the beginning, as we aim to identify 2 to 3 technology we want to experiment. Subsequently, the corresponding optical design will be assembled and the related algorithms will be implemented in Python. Finally, results will be analyzed and discussed.

### Skills:

- ✓ Apply your interest in **optics, instrumentation, and signal processing** in a practical setting
- ✓ Proficiency in **Python or MATLAB** is crucial to allocate sufficient time to the experimental part
- ✓ As a member of a **small team** connected with **skilled scientists**, you will enjoy **initiative and support** for your work
- ✓ **Passion for science** and research in an **industrial environment**, in **collaboration with academic teams**

### Qualifications:

- M1 or M2 level in Physics / Optics / Instrumentation
- Fluency in scientific English language
- Python trained

### Location:

- 80% Le Mans (500m of the train station) **or** Angers (ESEO) **or** Paris (Rue Hélène Brion) (depending of the student and the period of work)
- 20% homeworking

**2025 position from now to the end of the year**

Join us in shaping the future of interferometry for geosciences instrumentation 🧑🏻! Apply now and be part of an existing journey.

### Application :

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