

INTERNSHIP / TROYES, FRANCE

OPTICS AND PHOTONICS RESEARCH ENGINEER M/F

1 OUR MISSION

We believe in a future where nature and technology could blend, to address the next technological challenges.

Woodoo is specialized in groundbreaking biomaterials based on the structural transformation of wood at the molecular level. Our wood materials can be translucent and tactile, or 4 x sturdier and weather resistant, with applications in automotive, aeronautics, luxury or consumer electronics. We are here to help the industry reduce its carbon footprint by providing alternatives to carbon-emissive materials. We strive to produce renewable materials from regenerative forestry. Woodoo has won more than 40 major international and national awards (from MIT, World Economic Forum, Horizon H2O2O, Solar Impulse Foundation...).

2 JOB DESCRIPTION

Woodoo Mechatronics Team is looking for a **Photonics intern that will be responsible for helping with the optical measurements and sample preparation of our Translucent Wood product, Woodoo Slim.** You will work closely with the mechatronics team and other teams at Woodoo. You will be reporting to the doctoral candidate and photonics research engineer and **assist with the optical measurements and data analysis of the dedicated project.** You will also be responsible for **validating the results** with any new methodology presented and **finding trends. Familiarization with the anatomy of the bio composite material will be a plus.**

The successful candidate will be an autonomous, fast moving multi-tasker with a **strong understanding of optics and photonics fundamentals with a steady hand in data management and analysis. Experimental mindset is a strong suit for a candidate for this position.**

3 YOUR QUALIFICATIONS

You are an exceptional BS or MS in Optics / Photonics with relevant academic or industrial experiences.

You are creative in your field with a pioneering spirit:

- Strong optics and photonics background or closely related to
- Engineering School/ University affiliation
- Familiarity with optical set ups and systems
- Experimental and analytical approach to problem solving
- Fluent in **English** and **French**
- Strong hold on data management and analysis
- Ability to communicate results and find trends in data
- Python software knowledge is a plus

4 FEELING LIKE JOINING OUR TEAM?

Please send us your resume and detailed motivations to ashima@woodoo.com

To apply directly on our website, [click here](#)

For faster internal processing, please name your documents as the following: Forename Surname_CV or CL.

Feel free to add any miscellaneous document that can support your application. We will make sure to review your application and get back to you within 48h.

Woodoo is committed to building a diverse team and an inclusive environment where all employees belong. Women, gender-expansive individuals, people of color, of all ages, individuals with disabilities, and LGBTQ+ candidates are strongly encouraged to apply.