

## INTERNSHIP / PARIS, FRANCE MECHATRONICS 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

As part of our development and optimisation of the performance of our prototypes and products, we are looking for a mechatronics trainee (F/M). You will mainly work on the integration and optimisation of sensors through a new innovative material, the "Woodoo":

- Participate in the feasibility study.
- Study the different technical solutions that can be envisaged.
- Define the electronic and software architectures.
- Produce electronic and mechanical systems using CAD software.
- Develop innovative systems composed of electronic, mechanical and electromagnetic elements.
- Manage the manufacturing of your solutions (machining, 3D printing, laser cutting, etc.).
- Ensure the management of suppliers and their good coordination.
- Test and optimise prototypes.
- Qualification of sensors.

### 3 YOUR QUALIFICATIONS

**You are a student with a scientific background in electronics/mechatronics (BAC +5), engineering school or university:**

- You have knowledge of serial buses (I2C, SPI ...).
- You know C/C++, Python etc...
- You have already carried out projects on Arduino and Raspberry Pi.
- You have notions in optics and you are interested in new technologies.
- Initiative, autonomy, pragmatism and interpersonal skills are part of your DNA.
- You are curious, not only about new technologies but also about many fields in general. Impress us ;).

### 4 FEELING LIKE JOINING OUR TEAM?

Please send us your resume and detailed motivations to [ar@woodoo.com](mailto:ar@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.



SME Instrument  
Phase 2



European Innovator  
of the year



Fulbright for the  
Future Prize



World Alliance Award



Global Shapers Award



SME Innovation  
Associate