



MICROOLED

INNOVATIVE AMOLED SOLUTIONS

L'ENTREPRISE :

MICROOLED, a human sized company develops, manufactures, and sells OLED microdisplays with very high resolution, outstanding image quality, and high power efficiency for applications like electronic viewfinders, head mounted displays, wearable Augmented Reality, Virtual Reality, etc. The company has its offices and a dedicated microdisplay manufacturing line inside the MINATEC innovation campus in Grenoble/ France.

CONTACT :

You are interested in new technologies and you are looking for an internship in a dynamic and innovative environment, Do not hesitate, send us your application !

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www.microoled.net
www.activelook.net
www.engoeyewear.com

Final year internship offer : OLED Microdisplay Electro-Optical Model

Duration : 6 months

DATE : from February 2024

CONTEXT & OBJECTIVE: OLED microdisplays are electro-optical systems including several functional components: CMOS backplane, OLED stack, encapsulation, Color Filter, external electronics. Goal here is to support the development of new functional components by providing a numerical model of the electro-optical chain in order to allow to predict display performances from the characteristics of the individual components. Focus will be here on the electro-optical parameters of the OLED stack.

Mission:

As member of the R&D team, you will

- Establish a simulation model for the electro-optical chain, based on already existing components, in collaboration with the different experts (CMOS, OLED, Color filter, Test),
- Validate the model using existing data from microdisplay production,
- Use the model to support ongoing development of new OLED stacks

PROFIL :

Final-year student in physics engineering with base knowledge in microelectronics, electro-optics, optical measurement, programming (specific language?).

Specific knowledge in the domain of displays or image sensors, photometric measurements and colorimetry would be highly appreciated

Self-motivation and enthusiasm

Language : French/english