Image processing
Internship

Are you a passionate programmer? *

*who can bring in new tools and algorithms to life.

TiHive Tech
Featuring the Invisible

We are a high-tech startup who recently began an amazing journey: We are building the next generation of Vision technologies.

We disrupt an old-fashioned industry- the quality inspection world. We are developing a breakthrough product that will help textiles, leather, plastic, and composites producers Qualify their products using our imaging technology. We will do that by replacing X-Rays machines with our new vision technology that sees through materials, T-Rays.

Would you like to be part of this amazing human and professional adventure? If this is something for you, why not apply now! (@TiHive, vision-sw@tihive.com)

Requirements & skills

- Programming skills in C/C++ and/or Python using image processing libraries as OpenCV.
- Python's scientific and mathematical libraries as Numpy and Scipy.
- Basic knowledge on signal processing and statistical concepts.
- Strong analytical and synthesis capacity.
- Eligible to work in EU.

What you'll do

- Image denoising: to be able to identify and to quantify noise on images and to improve signal-to-noise ratio.
- Pattern detection: to be able to apply different algorithms in order to recognize patterns in a sequence of images.
- High-resolution: to improve spatial resolution on images in dynamic and static imaging modes.
- Algorithmic optimization: to reduce the total computing time necessary during the data processing.

What we offer

- A welcoming and an energetic environment built on passion, innovation and collaboration. We strive to explore new technologies and tools to be active.
- Social and cosy office 15 min from downtown of Grenoble
- Apart from developing cutting edge T-Rays solutions, we are a fun, international, creative and friendly team located in a dynamic start-up environment.

Education

- Currently enrolled in a 1st or 2nd Year Masters, or 3rd year of engineering school

Language

- Fluent in written and spoken English and French.

Location

Meylan (38), France

Duration

4 – 6 months internship

Remuneration

Awarded according to "école/university" policies