



INTERNSHIP IMAGE/DATA PROCESSING

Pro-Drone is a startup company that has developed control software which **empowers UAVs to autonomously inspect the blades of wind turbines**. We are currently offering full-time internships for graduate and undergraduate students. The dates for the internships are flexible, but applicants must be able to **commit for at least 4 months**, with the possibility of integrating into the team on a full-time basis, if the fit is great. This position requires you to be at our office in **Lisbon, Portugal**.

As a member of the Pro-Drone team you will be **directly involved in a variety of innovative projects** and have the opportunity to gain **hands-on experience in a startup environment**. Furthermore, you will be working alongside the core development team in existing and new products. You must be willing to learn, pay attention to detail, be able to take initiative and work in a multicultural environment.

You will be working on **image processing algorithms using state-of-art hardware and software**. Your tasks will include **enhancing our existing object recognition software** by combining visual data and the readings of several onboard sensors; enhancing present object recognition software and our data management approaches by **integrating data from several onboard sensors**; learning how to **write efficient and reliable test suites** for your project; **organizing data flow between multiple agents**.

The main requirement for an applicant is solid knowledge of the **Python programming languages**. Having the additional following skills is preferable, but not required:

- **Image Processing Algorithms, OpenCV**
- **C++**
- **GUI development experience (Qt)**
- **Experience with databases (PostgreSQL)**
- **Linux OS**

The internship does not imply direct financial support by Pro-Drone, but **we provide full support for Erasmus+ scholarships**. We have hosted 10 interns to date and are happy to provide their contacts in case you want direct feedback from someone who has interned with us. Please contact your university representative for more details or find the Erasmus+ National agency in your country following the link below:

http://ec.europa.eu/programmes/erasmus-plus/tools/national-agencies/index_en.htm

To apply, please send your **cover letter, CV** and **portfolio/github** (if you have one) to our email: jobs@pro-drone.eu