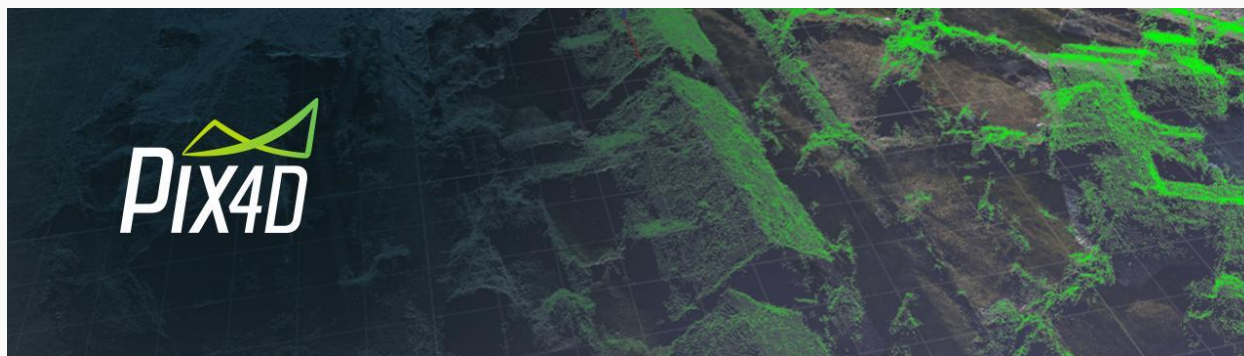




Internship possibility at Pix4D SA (Madrid Office)

Machine Learning and Data Science for inspection use-cases using photogrammetry



Description

We are looking for a curious and talented Data Analyst Intern to join our growing team in Madrid. Pix4D develops drone photogrammetry software and products that enable tens of thousands of professionals around the world to process, analyze and measure their own maps, 3D models and point clouds to extract valuable information.

You will be part of a skilled Analytics Team with expertise in ML/DL and your task will be to participate in the activities focused on the inspection of assets. Part of the job will be to analyse data and perform quality assurance of the machine learning algorithms running on 3D point clouds. As a member of the Pix4D Analytics Team you will engage in all activities of an internationally distributed team under the direct supervision of data scientists based in the Madrid office. The activities are completed by a full immersion in the daily agile worklife of the team. You will participate in the daily standups, scrum planning meetings, and retrospectives. The team also engages in activities to investigate and study the most advanced machine learning and computer vision algorithms applied to photogrammetry.

List of tasks and activities:

- Responsible for the Quality Assurance tasks of inspection algorithms, reviewing automatic output and suggesting corrections. Supervision from a data scientist from the Madrid office.
- Preparation of ground truth data to feed state of the art machine learning for 3D data. The activity will include participation in remote meetings with data scientists from the Berlin and Lausanne offices.
- Participation in agile meetings and the technical talks organized by the team.

After the internship period you will have learnt:

- Key insights into the photogrammetry industry.
- Detailed knowledge of the curation of data needed to train machine learning algorithms.
- An overview of how a machine learning project grows from inception to production, learning the differences of the many roles involved in the project.



- First-hand knowledge of the day-by-day operation of a Data Science team in a world leading industry.
- Get acquainted with the Agile methodology applied to software development.
- Learn the tools and methodology used to handle an international, distributed team.
- Practice your English in an international team of nine different nationalities

Conditions:

- Compensation: 500-1000 euros/month (depending on working hours)
- Working hours: 4-8 hours / day (depending on availability)
- Duration: 6+ months
- University internship agreement needed

IF YOU ARE INTERESTED, PLEASE SUBMIT YOUR CV AND A COVER LETTER IN ENGLISH TO jobs@pix4d.com SPECIFYING IN THE SUBJECT “INTERN, DATA SCIENCE MADRID”

ABOUT PIX4D

Pix4D is a developer of cutting edge software that converts images taken by hand, drone, or plane into survey-grade accurate and georeferenced 2D mosaics, 3D models and point clouds. Founded in 2011, Pix4D is rapidly expanding from its headquarters in Lausanne, Switzerland, to offices in San Francisco, Berlin, Shanghai, Tokyo and Madrid.

Pix4D technology enables lightweight civilian drones to become mapping and surveying tools for 3D reconstruction of any changing environment. It forms the base of many cloud-processing solutions and is used by thousands of professionals worldwide on desktop (Windows, OS X, Linux) mobile (iOS and Android) and cloud environments.

More information about Pix4D here: <https://www.pix4d.com/about-us>