

Dear Students,

We are writing to let you know about an open job offer that may be of your interest. It consists in a part-time contract of 20 hour per week during 5 months (June – October) working in the development of a system for the automatic fruit detection in LiDAR point clouds acquired in fruit orchards.

Since the methods to be used are related with the studies of the Master in Computer Vision (MCV), there is the possibility to use part of the work done during this job contract for your Master Dissertation. The master thesis related with this job contract is already proposed in the MCV website under the title "[3D fruit detection in LiDAR point clouds using graph or 3D neural networks](#)", supervised by Javier Ruiz Hidalgo (UPC) and Jordi Gené Mola (UdL).

This call is offered by the [Research Group in AgrolCT & Precision Agriculture \(GRAP\)](#) from University of Lleida (UdL) under the [PAgPROTECT](#) project framework. Although being a call from UdL, teleworking is allowed, thus, we believe that this work may be compatible with your Master studies.

Open call: <https://tauler.seu.cat/pagDetall.do?idEdicte=418775&idens=14>

In the following we summarized the call:

Tasks to develop by the employer:

- LiDAR data processing
- Data Annotation
- Implementation and training of Graph or 3D Neural Networks for fruit detection in LiDAR-based point clouds.
- Evaluation and analysis of results and writing of a report, ideally in the form of a scientific paper (that can be used for the master thesis).

What we offer?

- Salary in accordance with the labour category *Group II - U* specified in the [Collective Labor Agreement for Catalan Public Universities: Taules retributives PAS 2022](#) (about 1300€ gross salary per month)
- Possibility of teleworking.
- Flexible schedule.
- The employee will have the opportunity to use part of the work carried out during this job in his/her final master thesis ([Master Thesis Proposal](#))

Requirements:

- Bachelor degree
- Knowledge of Python programming to solve computer vision problems through Deep Learning
- Submit the documentation required in the call before the 24th of April.

The students interested in the offered labour positions, please, contact Jordi Gené Mola jordi.genemola@udl.cat



**Universitat
de Lleida**



Grup de Recerca en AgròTICa
i Agricultura de Precisió
Research Group in AgrolCT & Precision Agriculture