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Start date

August 2021

Duration

6 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

Cambridge, England

Home to the world-famous University of Cambridge, dating back to 1209, this historical city has beautiful architecture and majestic college buildings aplenty. With fascinating museums, atmospheric pubs, fine dining, incredible street food and ancient colleges all jostling together in the city centre, as well as the beautiful riverside and open green spaces, you are guaranteed a great experience.

Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a fantastic opportunity for an ambitious student, interested in data engineering, to gain practical skills supporting the host in the development of an autonomous robotic fruit picker. Mentored throughout, by the CTO and CEO, you will assist in the development of pipelines to manage raw image data from cameras. If you are interested in this field, then this will be a great addition to your CV.

Tasks

- Work with unstructured data bases or lakes
- Data wrangling, to transform and map data from cameras for use by the machine learning/computer vision team
- Build data pipelines to effectively manage data in useable form
- Coordinate with other members of the team for collaborative solution development

Desired Skills

- Background in computer or data science
- Experience of unstructured data lakes and data wrangling
- Good knowledge of Python
- Knowledge of depth cameras/stereo vision a bonus

The Host Company

The host is developing robot technology, to address the long-term global decline in agriculture labour. Its initial focus was on a robot to harvest raspberries because their delicate structure means they are challenging to harvest. This was completed in 2019 which paved the way for the system to be adapted for other soft fruits and vegetables. Their technology has gained interest from leading agribusinesses, and they are now in a position to progress concept robots for other crops and poised to scale up the raspberry harvesting robot, for market.