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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 data scientist to gain practical skills supporting the host in the computer vision field, for the development of an autonomous robotics platform. Mentored throughout, by the CTO and CEO, you will be a part of the machine learning team building models for image analysis and computer vision for the host's innovative robotic fruit pickers. If you are interested in the computer vision field, then this will be a great addition to your CV.

Tasks

- Building image analysis and computer vision models
- Deploy image analysis methods to extract usable knowledge to improve preprocessing steps for a computer vision pipeline
- Thresholding, segmentation, colour spacing and histogram equalization of images
- Coordinate with other members of the machine learning team for collaborative solution development

Desired Skills

- Background in computer or data science
- Awareness of image analysis and computer vision technology
- Experience in OpenCV, Pillow or similar
- 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.