

Topic: Annotated data generation for surgical instrument detection based on deep learning

The goal of this position is to help with the annotation process of images of surgical instruments. This data will allow to train a detection algorithm, to be used as part of a robotic scrub nurse project.

This task implies the use of online annotation tools, with which you will have to manually mark each instrument's contour and provide the corresponding class label for each instrument, as well as other meaningful information. The Institute offers a big tactile screen to facilitate your work. If you have access to a tablet, the work can potentially be done from home.

At least one visit to the MHH is planned to create a collection of the images to be labelled. You are expected to provide assistance to your supervisor during this process. The position would be for a minimum of 20 hours per month for a period of two months.



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Requirements:

- Very basic knowledge of Python.

Desirable aspects:

- Basic knowledge of English.

When to start:
Anytime