Working Student

Title: GUI (Graphical User Interface) development for experiments monitoring and control

Are you interested in developing cutting edge technologies for experiment automation in biomedicine? Do you share our passion for innovation?

You are at the right place. We are looking for the EMSIG project a student with software development skills. You will be part of our agile software development team. Your main goal will be to assist the team in developing a GUI for biomedical experiment monitoring and automation.

Tasks

Your work in our group will consist in:

- Familiarizing yourself with the project.
- Improving the developed GUI
- Improving different submodules for the experiment monitoring.
- Developing a sub-module for user notifications during lab experiments.
- Implement CI/CD

Requirements:

The following skills, abilities, and knowledge are necessary:

- Enrolled student in in Computer Science / Engineering or related fields
- Ability to work independently.
- Experience with web app development Technologies (HTML, CSS, JavaScript).
- Basic Knowledge in DevOps tools such as Git, Docker, etc.
- Experience with programming in Python.
- Basic Knowledge in image processing
- Experience with image processing libraries in Python such as OpenCV.
- Experience with Python-based web frameworks (Flask, Plotly DASH).
- Fluency in both English and German

Interesting for you? Please send an e-mail with your resume and motivation letter to the contact person below.

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