

Computer Vision Intern - Job Description

The expanding Israel R&D center of a multinational company in the field of surgical robotics and digitization of the operating room seeks a Computer Vision intern for its R&D team developing the next generation of vision-assisted robotics in the operating room.

Job Responsibilities:

- Learn and understand the Senhance robotic system
- Understand the algorithmic requirements
- Literature survey, study of existing state of the art tools
- Develop mathematical and numerical tools
- Develop computer vision algorithms
- Evaluate the performance on benchmarks and improve
- Work with software engineers in order to incorporate in the Senhance system
- Work on integrated multi-algorithmic platform including: image based tracking, motion estimation of operating tools and tissue, 3D reconstruction, image enhancement

Required Qualifications:

- Currently studying for a first degree in computer science or electrical\biomedical engineering
- Minimum availability of 2 days a week
- Courses in computer vision and image processing
- Programming experience in C++/C#/Open CV/Cuda and Matlab
- Good verbal and writing capabilities in Hebrew and english
- Read and understand the relevant literature and professional terms
- Teamwork and personal skills

Location: Yokneam

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