



Internship - Medical Data Annotation & Deep Learning

Moon Surgical is a startup company which aims to reinvent laparoscopy. Our technology will enable the next generation of surgical assistance, empowering surgeons to complete solo surgery via a minimally invasive approach. Our surgical assistance platform is based on advanced robotic arms with enhanced transparency and haptic feedback.

The job is based in Paris but you will have flexible and remote work options. Moon Surgical also has part of its team and a US location in Silicon Valley.

Her/His role is to:

- Data Annotation on laparoscopic procedures
 - Annotate videos of surgical procedures to extract visual and semantic information
 - Organize data in order to create training, validation and test datasets
 - Create, maintain and document workflow for data annotation
- Deep Learning/Robotics
 - Develop novel computer vision algorithms using CNN's (Convolutional Neural Networks) to address challenges of robotic assisted laparoscopic surgery
 - Interface DL/CV algorithms with the robotic platform under development at Moon Surgical
 - Document performances on the different CNNs and propose improvements to data annotations and CNN models

Our ideal candidate:

- Engineering degree or Graduate student in computer science (AI, medical imaging)
- Looking for a 6 month internship
- Deep interest in machine learning algorithms and methodologies
- Deep interest in medical and/or robotic applications

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