AI Research Engineer / Research Team Manager
Department: Research and Development / Artificial Intelligence

ihu STRASBOURG

INSTITUTE OF IMAGE-GUIDED SURGERY

Location: Strasbourg, France
Type of contract: CDI / Permanent

Start of contract: As soon as possible

JOB OBJECTIVE

Working alongside the team director, the successful candidate will play a central role in the development and supervision of our R&D and innovation projects in artificial intelligence for the operating room. He/she will coordinate day-to-day activities, help manage the research team and liaise with IHU's internal and external teams.

Main responsibilities:

→ **Research and Development:**

→ Design and implement assistance systems for the operating room based on computer vision and AI methods.

→ Lead research and development projects from start to finish, from conceptualization to clinical testing.

→ Keep up to date with the latest technological advances, particularly in AI, and apply them in ongoing projects.

→ **Team management:**

→ Contribute to the supervision of the team's day-to-day operations to ensure optimal efficiency.

→ Manage team resources, including equipment.

→ Participate in the coaching and development of the research team, including recruitment, training and performance evaluation.

→ **Collaboration and Communication:**

→ Collaborate closely with other R&D teams.

→ Present research results.

→ Write research reports and scientific publications.

→ Participate in the valorization of results.

REQUIRED QUALIFICATIONS :

→ Master's degree or PhD in computer science, engineering, mathematics, statistics or related field.

→ Proven experience in research and development of AI-based solutions.

→ Strong programming skills (Python, C++, etc.) and experience with AI frameworks (TensorFlow, PyTorch, Keras, etc.).
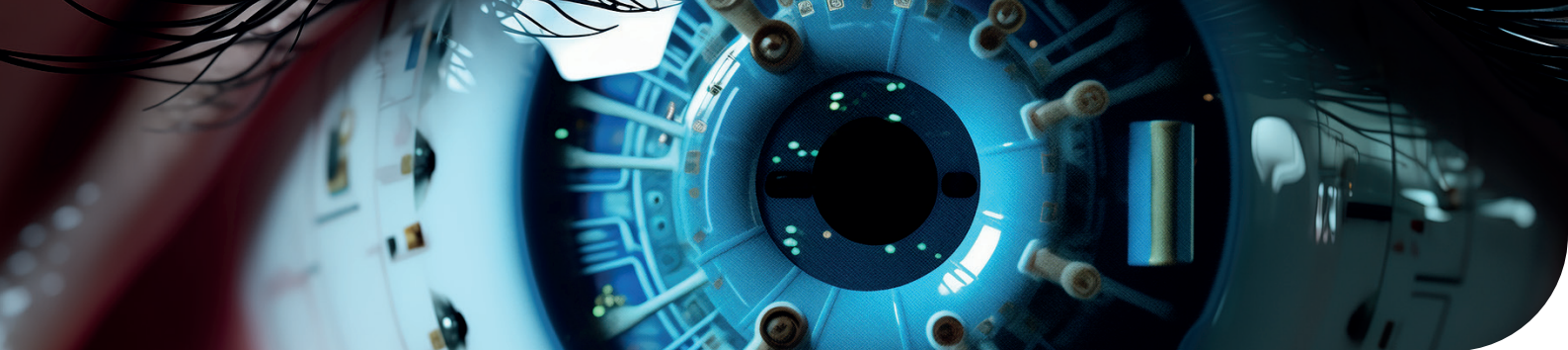
- → Ability to manage technical teams and supervise complex projects.

- → Fluency in written and spoken English.

DESIRABLE QUALIFICATIONS

- → Experience in the healthcare field, for example in surgical assistance (e.g. cognitive aids, robotic aids, augmented reality) or medical image analysis (e.g. segmentation, registration).

- → Excellent organizational and time management skills.

- → Strong communication and presentation skills.

- → Proactivity and ability to work independently and as part of a team.

OFFER

We are looking for a candidate possessing both advanced technical skills in AI and team management skills. We offer a stimulating work environment, in which medical, scientific and technology transfer teams work closely together, as well as innovative startups in the field of digital health. The IHU offers ongoing professional development opportunities and a competitive remuneration package tailored to the candidate's experience and qualifications.

The University Hospital Institutes (Instituts Hospitalo-Universitaires or IHUs) are unique French centers of excellence that integrate translational biomedical research to invent tomorrow's healthcare and develop an industrial sector in France. They have pioneered an unprecedented approach to innovation, combining fundamental and clinical research, training and commercialization in specific healthcare fields.

The IHU Strasbourg is a multidisciplinary institute dedicated to the development and dissemination of the future of surgery. Its mission is to establish a new generation of image-guided minimally invasive procedures with a high level of precision and safety, always with the patient's benefit as the priority. The project is built around three pillars: the combination of the most advanced medical and surgical interventional techniques; the exploitation of artificial intelligence to guide the entire surgical process: preparation, execution and evaluation; and the consideration of the entire care pathway to guarantee the positive impact of innovations for patients and society.

The IHU has brought together excellent research teams and created cutting-edge technological platforms: clinical and experimental operating theatres with multimodal imaging, artificial intelligence and robotics laboratories. Its transfer model is based on accelerating the maturation of discoveries through rapid clinical evaluation, and it favors the creation of companies to create specialized jobs for a cutting-edge sector in which France wants to be a leader.

If you are interested in this position, please send your application (CV and covering letter required) to:
recrutement@ihu-strasbourg.eu

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