

JOB DESCRIPTION

Job Title: Physics/Imaging Algorithm Engineer

Organization: United Imaging Healthcare (UIH)

Business Unit: Molecular Imaging

Department: Advanced Application Algorithm

Location: Shanghai, China

Category: Full-time Regular, Summer Intern



Responsibilities:

1. Develop and implement advanced imaging algorithms for PET or SPECT clinical application, diagnosis, as well as scientific research and pre-clinical studies.
2. Participate in the development of product research and development plans, and collaborate with team members to advance project progress.
3. Review and evaluate mature technologies for potential incorporation into medical imaging products.
4. Solve technical challenges in practical applications and provide technical support.
5. Investigating and resolving customer issues related to performance, usability, and reliability.
6. Maintain state-of-the-art knowledge of new developments in the nuclear medicine imaging field and actively pursue new opportunities to develop projects.
7. Participate in publication of results at conferences and in peer-reviewed journals. Protect innovations with invention disclosures.
8. Assure integration of technologies in product solutions by working closely with other R&D teams and product management. Cultivate a constructive and highly productive synergistic teams-within-teams environment. Build, maintain, and work within a team on collaborator-driven projects.
9. International and domestic travel required for customer visits and conferences (<10%).

Requirements:

1. A strong background in Molecular Imaging Theory, Medical Physics, AI, or Medical Image Analysis is preferred.
2. Familiarity with at least one programming language, such as C/C++, Python, etc., with good programming skills.
3. Experience in at least one of these field: data correction, image reconstruction, segmentation, registration, and quantitative analysis, is highly desirable.
4. Good communication skills in English, both written and verbal, and able to communicate effectively with cross-functional teams.
5. Excellent interpersonal skills. Strong collaboration skills. Outstanding ability to be creative and work independently.
6. Flexible with respect to educational background, including recent graduates, postdoctoral fellows, and experienced professionals.
7. Summer interns are also welcome to apply.

Please contact us for information if you are interested.

Yihuan Lu yihuan.lu@united-imaging.com
United Imaging Healthcare Molecular Imaging