

Advanced Research Algorithm Developer

Job description:

We at CathWorks, a dynamic successful and well-funded medical device startup in the field of cardiac imaging are looking for an experienced, professional algorithms developer with excellent knowledge of computer vision algorithms. Our system deals with algorithmic challenges involving extraction of 3D information from asynchronously acquired 2D x-ray images of a moving object while achieving high precision rates under tight performance constraints.

Responsibilities:

Design and develop complex algorithms

Work with algorithm developers and product teams to refine and enhance existing applications

Solve complex practical problems and propose mathematical models

Compose and edit high-quality technical documentation and literature

Generate and write patents

Requirements:

1+ years of experience in development of algorithms such as computer vision

High proficiency in MATLAB

Experience in medical imaging applications

Familiarity with signal processing, Graph Theory, Optimization, Segmentation, 3D reconstruction

Experience with computer vision and image processing

M.Sc. / B.sc in Physics, Mathematics, Computer Science, Biomedical Engineering, Software Engineering, Computer Engineering, Mathematics or related field.

Send your CV: oded@cath.works