



SLAM developer/programmer

H3D, Inc. seeks an engineer with experience in simultaneous localization and mapping (SLAM) to join our team. Primary responsibilities will include developing software and hardware upgrades to our current SLAM platform using COTS sensors with a handheld radiation-imaging device. This work will advance our current radiation-imaging technology to map and characterize sources of gamma radiation in 3-D space as a user surveys a room.

Qualifications: Minimally, the candidate should have experience in developing SLAM software and hardware with a BS in Computer Science or related field, or equivalent experience. Additional experience is highly desirable.

The ideal candidate will have solid C++ programming experience, with strong knowledge of the required sensor hardware and software packages available to perform SLAM. Experience and expertise in embedded/mobile platforms, image processing and computer vision, networking, Linux, and hardware interfacing is highly desirable. The candidate should work well in a team and individually and have good communication, organization, and documentation skills. Familiarity with Visual Studio, git, and project management tools is a plus.

The future hire will be critical to the development of the next generation of smart radiation detectors. She or he will be joining a small hard-working team that is pushing the limits of available technology to create a truly groundbreaking gamma-ray detector system. Such a system could play an important role in keeping people safe and preventing terrorism. Besides creating great technology, our team has a lot of fun together.

About Us: H3D commercializes CZT-based 3D radiation-imaging technologies for nuclear power plant, defense, homeland security, and medical applications. We seek to provide our customers with the highest performance and most user-friendly instruments possible. A 2011 spinout from the University of Michigan, we have twice been awarded the SPARK FastTrack award for impressive growth and have performed sponsored research for the DoD, DoE, NIH, NIST, and others. We currently ship products to nuclear power plants and research labs around the world.

Please email a cover letter and resume to H3D, Inc. at HR@h3dgamma.com. H3D, Inc. offers an attractive benefit package that includes health insurance, life and disability insurance, paid holidays and vacation, and a competitive 401(k) plan. H3D is an equal opportunity employer. All qualified women, minorities, disabled, and veterans are encouraged to apply. Work will occur at our Ann Arbor, Michigan office. Visit our website at <http://www.h3dgamma.com>.