Full-Stack Software Engineer

H3D, Inc. seeks an exceptional and well-rounded software engineer to join our team full time. This engineer will support new product and feature development primarily for PC-based software. H3D, Inc, is interested in programmers who can support a variety of projects and greater consideration will be given to those who also possess some of the skills in the list below. Required work may be on a government contract requiring US citizenship or Green Card.

Qualifications: Minimally, the candidate should have a BS in Computer Science or related field, or equivalent experience. Additional experience is highly desirable.

Successful candidates will have expertise in the C++ language and object-oriented programming, including speed optimization and multi-threaded computing.

Other Desired Skills:
- Embedded ARM development and build processes
- Web design (including AJAX, JavaScript, HTML5, web frameworks, and best practices for user interfaces)
- Scripting languages
- Sensor fusion and simultaneous localization and mapping (SLAM)
- Python
- SQL
- Git
- GPU programming
- Hardware interfacing
- Ruby on Rails
- Docker
- Continuous Integration/Continuous Delivery (CI/CD) processes

The candidate should work well in a team and individually and have good communication, organization, and documentation skills. We are looking for someone who is supremely capable, yet not afraid to try and learn new things to push the project forward.

The future hire will be joining a hard-working team that is pushing the limits of available technology to create truly groundbreaking gamma-ray detector systems. Such systems could play an important role in keeping people safe and in national security.

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 life and health 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.