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Job Opening

Project Engineer

ACTA is a growing engineering risk management company and is the leading contractor for space and rocket launch safety in the United States. We provide analysis, modeling and engineering support for the space, defense, antiterror, aeronautical, and petrochemical industries. We solve complex technical problems using state-of-the art numerical and simulation models and develop specialized software to characterize complex phenomena. ACTA has offices in Torrance, CA and Lompoc, CA. (Learn more about us at www.actainc.com)

We are looking for a Project Engineer to join the advanced research & development team in our Torrance office. It is anticipated that you will support a group of senior researchers with Ph.D.s in Engineering using high fidelity physics based (HFPB) codes to develop complex models for simulation environments for the Department of Defense. As needs and opportunities arise, you will support other groups who are supporting range safety of space launches at several ranges in the USA.

Requirements

- Ability to program in object oriented programming languages. Initial work involves using and modifying a large complex Java based MPM/CFD (Computational Fluid Dynamics) program.
- Excellent background in computational mechanics and numerical methods.
- Background in probabilistic theory and methods is desired
- Master's or Ph.D. degree in engineering or physical sciences
- U.S. citizen
- Applicant selected for employment will be subject to a Federal background investigation
- Excellent communication and writing skills.

Technical skills

Experience in programming (e.g., Java, C/C++/C#), scripting (e.g. Python, Linux/Unix shells, macros), is strongly desired. Experience using HPC (High Performance Computers) and GPU programming is a plus.

To apply

Send cover letter and resume to: acta_torrance@actainc.com