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**Work Information**

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December 17, 2019

Weapons Test Engineering Group  
Los Alamos National Laboratory  
Los Alamos, NM, 87545

It is a pleasure to submit my cover letter and résumé for the R&D Engineer 2 position, job IRC77553, in the Weapons Test Engineering Group at Los Alamos National Laboratory. With an active Q-clearance, strong familiarity with nuclear weapons, and significant experience in software development and data analysis, I am ready to become an immediate and effective member of the E-14 team. For your consideration, I have provided the following summary of my knowledge, skills, and accomplishments relevant to this position.

- Master's Degrees in Nuclear Engineering from the University of Wisconsin - Madison and Biophysics from the Medical College of Wisconsin
- Over ten years of research and technical experience in the physical sciences, with a primary focus on computational physics, software development, modeling, simulation, and data analysis
- Three years experience in signal and image processing of time and spatially dependent MRI datasets, including developing a patented image reconstruction technique
- Experience analyzing large datasets, from parameter study simulation results in MCNP to large clinical MRI imaging cohort studies
- Collaborator in a diverse work environment, working with medical doctors, technicians, scientists, and software developers to achieve results
- Effective in technical communication, demonstrated through a history of accepted abstracts, publications, and conference presentations in multiple different fields. A full publication and presentation list can be found in the attached résumé.
- Developer of physics codes and analysis tools using Python, Matlab, Fortran, and C/C++
- Advanced user of version control systems such as Git, BitBucket, and Jenkins-CI
- Modeling and simulation experience with a variety of software packages such as MCNP, Flag, and Abaqus/CAE
- Utilizing engineering drawings to generate working models of systems
- Strong familiarity with nuclear weapons and the U.S. stockpile while working in XTD-PRI and enrolled in TITANS.
- Active Q clearance with Sigma-15 authority

Attached to this application, you will find my résumé for your review. I appreciate your consideration and thank you for your time.

Sincerely,

Casey Anderson, M.Sc.