Spring Summer 2015 PAID INTERNSHIP OPPORTUNITY

Talent TVC Internships offer $6000 stipend, 400 hour commitment and Mid-Point and Final Project Presentation necessary for completion.

Task: The intern will design and run a Point Reactor Kinetics (PRK) module coupled with heat equation and thermal expansion to model a prompt critical pulsed reactor with MOOSE (the Multi-physics Object Oriented Simulation Environment). The intern will compare the results of this simulation against existing experimental data (parameters of interest: power, fluence, pulse width, temperature, stress, etc.)

Skills and Experience: Computational: Linux (Ubuntu) and C++. Education: thermal dynamics/mechanics, numerical methods, differential equations, and integral calculus. Advanced nuclear or mechanical engineering major; Master's candidate preferred

Company: TechFlow Scientific
TechFlow Scientific is a division of TechFlow located in Albuquerque, New Mexico. The TechFlow Scientific team brings over a century of combined experience in directed energy systems, radiation effects, electromagnetic modeling, embedded systems design and application development. www.techflowscientific.com

Talent TVC Internship Application Instructions:
- US citizen
- Currently enrolled UNM engineering/science/technology student with minimum 72 credit hours
- Meets all qualifications of Talent TVC Internship Program and participating employer
- Talent TVC Internship Application Form, two letters of reference from a former employer
- One page resume

-------------------Address all questions, forms and submissions to: ---------------
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