Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Defense
Job Title: Research Engineer
Location: Columbus, OH
Salary: $30/hour

Our Client’s Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Defense business, in our National Security Global Business performs detailed and complex modeling efforts to provide decision support information to its clients. These models are custom made software to meet client needs and provide support to their strategic decisions. The Hazard Modeling Team within CBRNE Defense is seeking self-motivated people who live at the interface of software development, engineering/science, and mathematics to support development of customer focused software applications. Desirable candidates will show aptitude for object oriented programming along with the fundamental scientific background to understand the phenomenology and processes being modeled. Successful candidates will have the opportunity to work with a highly skilled and motivated team on projects that help to keep the United States safe.

REQUIREMENTS:
- Education: Either a Bachelor's Degree in computer science or equivalent with a minor in an engineering or science field OR a Bachelor's Degree in physics, mathematics, or engineering with a minor in computer science or equivalent training. Qualified candidates must have completed coursework in object oriented programming (e.g., C#, C++, JAVA), calculus, ordinary differential equations, and linear algebra.
- Experience: This is an entry level position. Education, internship, and co-op experience will be evaluated.
- Travel: Very limited domestic travel might occur.
- Citizenship: Sole U.S. Citizenship.
- Security Clearance: Sole U.S. citizenship, with the ability to obtain and maintain required government security clearances

Desired Qualifications:
- Experience running large simulations in a high performance computing environment.
- Experience profiling code and optimizing it for reduced run time without losses in computational accuracy
- Experience with Monte Carlo simulations and the sampling methods used to perform such calculations
- Other programming languages of interest include: Python, Windows Presentation Foundation (WPF), JavaScript, R, web-based environments, or GIS-based environments.

If interested, please email Lauren Ellinghausen at lellinghausen@brookssource.com with an updated attached resume.