**SOFTWARE ENGINEER**

BR&E is a privately-owned provider of process simulation software and engineering solutions to the gas processing, refining, and chemical industries. Since the company's inception in 1974, BR&E has combined research and development in process simulation with state-of-the-art computerized engineering technology to provide our clients with flexible, accurate, efficient and dependable tools that improve their operations.

EDUCATION REQUIREMENTS:

* M.S. or Ph.D. in, Software Engineering or Computer Engineering

RESPONSIBILITIES:

* Participate in design, development and maintenance of BR&E simulation software
* Test and develop applications for BR&E simulation software
* Participate in development projects related to integration of existing BR&E components with new BR&E software
* Participate in development projects related to future requirements of BR&E software
* Draft and review technical documentation

REQUIREMENTS:

* Background in numerical simulation related to engineering applications, preferably those related to chemical processes
* Solid background in mathematics and iterative techniques used in simulation
* Develop a knowledge of chemical processes and models used to simulate their design and performance
* Familiarity with development tools and methodologies for the Microsoft platforms including development of native Windows desktop applications
* Background in vectorization and parallel processing in simulation calculations on Microsoft platforms
* Knowledge and experience in programming with Visual Studio languages, with special emphasis on C++
* Strong English language verbal/written communication skills, interpersonal skills, and the ability to communicate effectively are very important
* Strong analytical and problem-solving skills

*Please email cover letter and resume to* [*careers@bre.com*](mailto:careers@bre.com)

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