

SOFTWARE ENGINEER

Numerica's Software Engineers excel at developing state-of-the art algorithms and software systems that solve real-world scientific and engineering problems. By participating in small teams, they have the opportunity to be part of cutting-edge product development that makes a difference. In addition to revolutionizing tracking and data fusion technologies, our Software Engineers innovate in a number of other areas. Whatever the problem domain, each Software Engineer at Numerica is dedicated to working on advanced information science algorithms and applications that promote the success of our customers. This is an indispensable position in support of delivering next-generation scientific and engineering solutions to the U.S. Government and commercial markets.

ESSENTIAL DUTIES AND RESPONSIBILITIES

A successful candidate for this position will participate on a small team and have the following duties and responsibilities:

- Work at the intersection between mathematical sciences and scientific computing, especially in information sciences;
- Develop and implement algorithms using modern software and object-oriented principles in advanced computer architectures;
- Assist with testing software components and programs involving complex mathematical specifications;
- Perform light system administration in support of software team;
- Prepare technical reports and publish papers describing algorithms, software design, and performance;
- Interface with customers, especially through presentations and reports.

RECOMMENDED BACKGROUND AND EXPERIENCE

- B.S. in Computer Science, Electrical Engineering, Applied and/or Computational Mathematics, Statistics, Physics, or a related field involving software development;
- At least three years of working experience in a software development role (or M.S. or Ph.D. in place of experience);
- Familiarity with modern C++ standards;
- Experience working in the Linux operating system;
- Familiarity with Python is a plus;
- Experience working with distributed revision control software (e.g., git, mercurial) and continuous integration platforms (e.g., jenkins, bamboo) are helpful;
- Demonstrated ability to quickly develop expertise in unfamiliar areas;
- Effective written and verbal communication skills, with the ability to clearly communicate technical and programmatic details to both colleagues and customers.

Many of the algorithms and software involve computer science algorithms, linear algebra, numerical analysis methods, and probability/statistics. A good working knowledge of these areas is helpful.

U.S. CITIZENSHIP REQUIRED

Due to the nature of the work performed by Numerica, all applicants must be capable of obtaining a U.S. Security Clearance. At a minimum, this requires that a candidate be a U.S. citizen and have a trustworthy background (e.g., clean criminal record, reasonable credit, no use of illegal drugs, etc.).

Learn about Numerica's growth and innovation, explore published papers, and apply online at www.numerica.us

Numerica is an equal opportunity employer.