



INTERNSHIP – SOFTWARE ENGINEER

ABOUT NUMERICA

Numerica Corporation is a research and development small business leader solving some of the world's most challenging information science problems. Our exceptional people develop advanced mathematical algorithms and software for tracking targets, fusing data, managing uncertainty and integrating networks. Numerica's technology solutions translate massive data streams into real-time, actionable information for the U.S. Department of Defense, NASA and a variety of commercial customers, and we enjoy strong working relationships with government agencies, private-sector partners and academic consultants. Numerica is a place where creativity thrives, collaboration is a way of life, and ideas take shape on the white board.

ESSENTIAL DUTIES AND RESPONSIBILITIES

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

- a) Assist with software design using appropriate design principles;
- b) Implement and document software library and application in Python;
- c) Assist with testing software components and programs involving complex mathematical specifications;
- d) Assist with diagnosing issues in complex software at all levels, from fundamental mathematics and algorithms to software testing and evaluation on real data;
- e) Perform light system administration in support of software team;
- f) Write report and present summary of work performed.

EDUCATION and/or EXPERIENCE

Successful candidates should be working towards a completed degree (undergraduate or graduate) in Computer Science, Applied and/or Computational Mathematics, Electrical Engineering, or related field involving scientific computing. Numerica seeks applicants with the following experience and skills:

- a) Experience with Python and SQL programming.
- b) Experience with the Linux or Mac OS X operating system.
- c) Demonstrated ability to quickly develop expertise in unfamiliar areas.
- d) Prefer candidates with a breadth of coursework in applied math, engineering and computer science.

This is a summer internship with an expected start date in May and end date in August.

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.