Application Developer II

Job Description

Working closely with the Director of IT, the Application Developer II is responsible for the maintenance of existing computer programs, datasets, and algorithms related to the field of Computational Immunology. Typical duties include monitoring of web sites, data gathering and curating, development of new and improved data processing and analysis algorithms and associated applications, execution of standard and custom analysis protocols, constructing and maintaining large scale reference databases, and report writing. This motivated individual will provide data management, statistics, graphic development, and other support related to the analysis of new data generated in our laboratories.

The ideal candidate will be someone excited about contributing to cutting-edge research projects in Computational Immunology. Applicants should value collaboration and teamwork while also being able to work individually and prioritize multiple projects. A high degree of professionalism, customer focus, and organizational skills is required.

Primary Responsibilities

- Supports, maintains and enhances existing web based applications in an HTML/JavaScript/ Oracle PL/SQL environment

- Constructs, updates, and maintains proprietary website for internal and client use

- Assists in the design, implementation, testing, and releasing of numerous immunoinformatics algorithms.

- Assists in the development, maintenance, and updating of large-scale reference databases and prepares data for utilization by scientists

- Maintains and improves professional knowledge of technological advancements in data manipulation and statistical analyses

- Any other duties deemed necessary by management

Key Contacts

I.   **Internal:** The successful candidate will take direction from the Director of IT, and work closely with other developers and specialists. The successful candidate will also be expected to develop close relationships with several internal customers including the Chief Information Officer as well as various Principal Investigators and Project Managers.

II.   **External:** Frequent customer contact and some travel may be required.

Qualifications

I.   **Education:** An undergraduate degree in computer science, engineering, math, or related discipline is required.

II.   **Required Experience:** 2 - 4 years' experience with SQL and or Oracle PL/SQL. HTML based application development with some scripting language such as JavaScript, Java, Basic, PHP, or Python. Network administration in a mixed environment (Linux, Windows, OSX)

III.   **Recommended Experience:** Knowledge of basic statistics or statistical packages such as SAS or SPSS is a plus. Previous exposure to biology and/or bioinformatics is a strong plus.

IV.   **General:** Strong reading and writing skills are essential. Attention to detail and strong work ethic are essential.