



## **Research Programmer Analyst (Icahn School of Medicine at Mount Sinai, New York, NY)**

The Senior Programmer/Analyst develops, installs, modifies and maintains client server and/or web-based applications for analysis, processing and display of advanced neuroimaging data.

### **Duties and Responsibilities:**

1. Works in a team to develop web-interfaces and back-end solutions for analysis of neuroimaging data.
2. Assesses and evaluates the usability and effectiveness of applications developed internally. Develops and recommends specifications for new applications and proposed changes to existing ones.
3. Participates with various Information and Technology teams in the development, implementation, installation and testing of applications software.
4. Conducts formal design and code reviews. Develops tools and interfaces between application programs, debugs programs and creates custom databases based upon predefined specifications for use as back-ends for applications.
5. Develops and/or participates in the development of training materials and conducts training in the use of computer systems.
6. Ensures the confidentiality of information being processed, stored or accessed by the network.
7. Develops and updates documentation for future reference, training, software/hardware use, user procedures and as required for project deliverables.
8. Communicates with external third-party software providers about their software and/or proposed software use with internal systems.
9. Keeps abreast of changing and new technologies and standards and how they may be applied to the future growth and development of other internal systems.

### **Education:**

Bachelor's degree in a technology related field, computer science or related field. Masters in computer science preferred

### **Experience:**

3 years experience working as a programmer/analyst or equivalent technical position; experience in Unix environment.  
Excellent written, verbal and interpersonal experience  
Demonstrated advanced programming skills, technical project management skills and applicable technical expertise  
Excellent technical documentation skills  
Strong analytical and problem solving skills

### **Computer Skills:**

Office suite or equivalent – Intermediate  
Python – Advanced-Intermediate  
Linux/UNIX System administration – Intermediate  
Linux networking – Intermediate  
High-performance computing (clusters/supercomputers) – Some experience preferred  
Web development (HTML, Javascript) - Basic

Please send a CV and brief statement of research interests and experience to Dr. Zahi Fayad at [zahi.fayad@mssm.edu](mailto:zahi.fayad@mssm.edu).