

TITLE: Computer Science Trainee position at Cedars-Sinai Medical Center

JOB SUMMARY: This is a part-time/full-time entry-level programmer trainee position in a proteomics group at Cedars-Sinai Medical Center primarily focused on software development, programming and systems administration and the candidate would be working under the supervision of the Bioinformatics team lead to manage the group's bioinformatics needs. Key responsibilities would include front-end and back-end programming support for development, testing and maintenance of GUI based proteomics data analysis pipelines in a HPC environment, assist with new tool development and overall systems administration and IT management.

ESSENTIAL JOB DUTIES AND RESPONSIBILITIES:

- Provides programming support for omic projects and mainly responsible for software development, testing and maintenance of routinely used bioinformatics pipelines.
- Assists in development, testing, and maintenance of modular software pipelines for proteomics database searching, library generation, proteomics data analysis using high-throughput mass-spectrometry data
- Optimization and parallelization of algorithms on the High-Performance Cluster.
- Software-engineering to improve usability, extensibility and scalability of existing programs.
- Automation of routine programming and data-analysis tasks.
- Development of analysis-to-database interfaces to automate and optimize data aggregation
- Responsible for the design and maintenance of database structure to store, manage and process information and data for assigned department / projects.
- Support lab members and collaborators with large scale analysis.
- Provide installation and troubleshooting support for routinely used lab-specific data analysis tools and software.
- Maintain and develops documentation of systems and processes as needed.

PLEASE CONTACT:

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