Research Experience for Undergraduates (REU) Position

Graph Analytics, In-Memory Analytics and Batch Processing

The Center for Visual and Decision Informatics is seeking to hire TWO UL Lafayette undergraduates to conduct research aimed at developing distributed processing tools for a Distributed Visual Analytics Sandbox (VAS) for High Volume Data; a unique hybrid hardware/software platform being designed at UL Lafayette to handle large scale data and enable visualization. The project will involve literature surveys, algorithmic exploration, and system development. Students will become familiar with ongoing research on graph analytic methods, in-memory analytics, and distributed batch-based processing. Each student will conduct research aimed at extending the current-state of the art techniques to enhance the VAS. The results of the research will be presented at the CVDI Industry Advisory Board meeting in October 2015. Position will remain open until filled.

General Requirements
- Junior and/or Senior (not graduating before May 2016)
- U.S. citizen, U.S. national, or permanent resident of United States
- Background in software development using C++ and/or JAVA
- Interest in Conducting Research

Desired Skills/Knowledge
- Computer Science and/or Informatics major
- Experience with
  - Graphics
  - Distributed Processing
- Relevant Courses such as:
  - Operating Systems
  - Algorithms/Data Structures
  - Scientific Computing
  - Human-Computer Interaction
  - Artificial Intelligence

For more information about CVDI, please visit http://nsfcvdi.org.

Send resumes to Aeriel Frederick at apf2032@louisians.edu with MRI REU Applicant as the subject line.