NSF Research Experiences for Undergraduates (REU)  
Shen Lab  
Perelman School of Medicine, University of Pennsylvania

Goals: The general goals are to provide qualified undergraduates with an opportunity to
• Gain direct research experience in computational methods for mining electronic health record data
• Learn tools and skills that will promote successful admission to post-baccalaureate programs
• Explore a career in informatics and computational science with focus on data mining in biomedicine

Activities: Students will participate in various research-related activities:
• Mentored research on a chosen topic in the scope of an NSF project  
• Apply the proposed methods and tools to analyze real world data sets
• Package the methods and tools used in the analyses into a user-friendly prototype toolkit
• Attend weekly meetings to discuss the project progress

Eligibility: Applicants must be
• Citizens or permanent residents of the United States or its possessions
• Undergraduate students enrolled in an accredited college/university, majoring in informatics, computer science, or relevant quantitative science and engineering area

Preference: Preference will be given to
• Students with clear motivation to join a Ph.D. program
• Students with excellent academic performance
• Students with experience in programming and algorithm designing
• Students with experience in relevant areas (e.g., data mining, biomedical informatics)
• Students from underrepresented groups in informatics, computer science, and engineering

How to Apply: Interested candidates should forward their resumes and a list of three references to:

    Li Shen, Ph.D.  
    Division of Informatics  
    Department of Biostatistics, Epidemiology and Informatics  
    Perelman School of Medicine  
    University of Pennsylvania  
    404 Blockley Hall, 423 Guardian Drive  
    Philadelphia, PA 19104-6021, USA  
    Phone: (215) 573-2956  
    Email: Li.Shen@pennmedicine.upenn.edu  
    Web: http://www.med.upenn.edu/shenlab/