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 brain imaging genomics 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:
- 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., FAIMBE
Professor of Informatics and Radiology
Interim Director, Division of Informatics, Department of Biostatistics, Epidemiology and Informatics
Perelman School of Medicine, University of Pennsylvania
B306 Richards Building, 3700 Hamilton Walk
Philadelphia, PA 19104-6021, USA
Phone: (215) 573-2956
Email: Li.Shen@pennmedicine.upenn.edu
Web: [http://www.med.upenn.edu/shenlab/](http://www.med.upenn.edu/shenlab/)