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:
- Mentored research on a chosen topic in the scope of an NSF project (https://www.nsf.gov/awardsearch/showAward?AWD_ID=1837964)
- 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:

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