Research Experiences for Undergraduates (REU)
Imaging Genomics Lab, IU Center for Neuroimaging
Indiana University School of Medicine (IUSM)

Summer REU Opportunity: May to August, 2012

Goals: The general goals are to provide qualified undergraduates with an opportunity to
- Gain direct research experience in computational methods for analyzing imaging genomic data
- Learn tools and skills that will promote successful admission to post-baccalaureate programs
- Explore a career in computational science with focus on neuroimaging genomics

Activities: Students will participate in various research-related activities:
- Mentored research on a chosen topic in the scope of an ongoing NSF data mining 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 group meetings and learn ongoing research activities in the lab
- Present their work to the group in the end of the summer

Financial Support:
- The program offers a stipend of $500 per week for up to 12 weeks; and students are expected to devote 40 hours per week to this research program
- Up to $400 in total can be reimbursed for travel to IUSM for students who are not from the Indianapolis and surrounding area.

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 computer science, informatics, 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 application areas (e.g., brain imaging, genomics)
- Students from underrepresented groups in Computer Science

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

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Center for Neuroimaging, Department of Radiology and Imaging Sciences
Center for Computational Biology & Bioinformatics
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