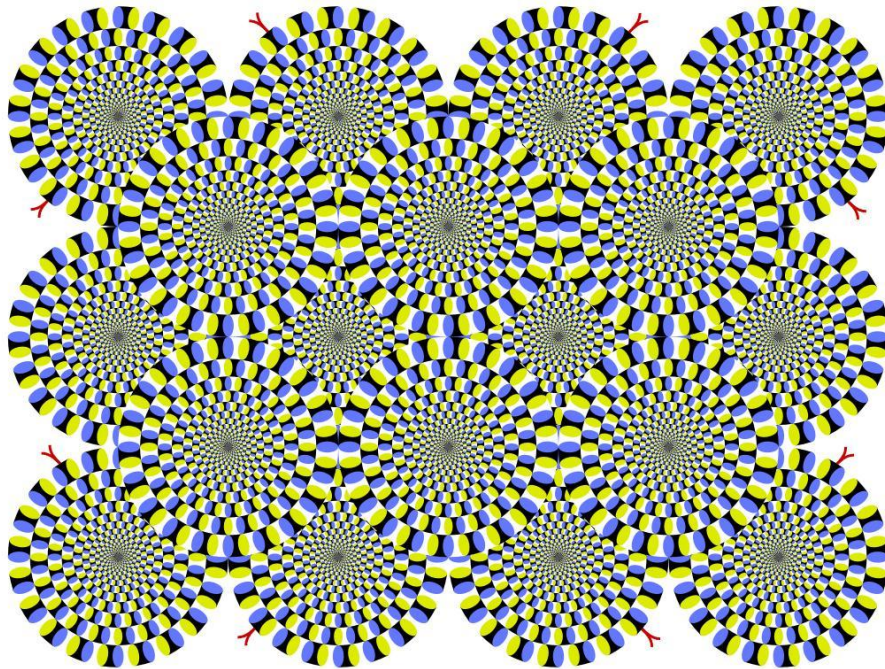


Want to find how the Brain is “illusioned”?

Signal/Image processing summer internship position.

Looking for an undergraduate/graduate student interested in discovering how the human brain and visual system works. The project deals with uncovering secrets relating how our brain perceives various “visual illusions” (see one below). The technical intern will be part of a team that will be primarily involved in designing visual stimuli for the experiment, testing, recruiting subjects (healthy), data acquisition and data analysis. The student will assist in collecting data using EEG and eye-tracking equipment. Data analysis will done using independent component analysis and other multivariate methods. Prior experience of working with EEG signals is plus.



The position is ideal for an undergraduate (sophomore/junior) or a graduate student (first year) seeking a summer internship/graduate project topic.

Qualifications/Skills Required:

- Programming skills: MATLAB (required), C, C++ (desired). Objective C a major plus (not required)
- Aptitude for basic signal processing algorithms and some experience with multivariate statistics.
- Experience to work in a research environment and help faculty/students setup lab experiments.

Wage ~ \$4000 (30 – 40 Hours a week)

Contact: Siddharth Khullar (PhD Candidate, Imaging Science), sxk4792@rit.edu