**LURE Application**

**Due Wednesday, January 29, 3:00 PM**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Campus Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Are you a US Citizen or Permanent Resident? \_\_\_\_\_\_\_\_\_\_\_\_

(Note: This question is for bookkeeping purposes only. This program is open to all University of Richmond students, regardless of nationality)

Please rank (1-2; 1=favorite) your choices for research groups for the summer. Descriptions of each may be found at end of application.

\_\_\_\_\_\_\_\_\_\_ Davis Group

\_\_\_\_\_\_\_\_\_\_ Hoke/Wares Group

The official summer research period is May 18-August 3. You must be willing to commit to either 8,9, or 10 consecutive weeks. The groups may start at different times. Please explain any possible conflicts you may have, and give us your preference for start and end dates, keeping in mind the minimum of 8 weeks and maximum of 10 weeks.

Please attach a copy of your transcript. An unofficial BannerWeb version will suffice.

List below relevant coursework or experiences in Mathematics or Computer Science that is not reflected on your transcript (e.g. programming course in high school, mathematics competitions, etc.).

On a separate sheet of paper, please write a paragraph (300 words or less) that explains what about the LURE program is most attractive to you. Why do you want to participate?

**Completed applications turned in to Math/CS Office by 3:00 PM Wednesday, January 29 will receive full consideration.**

**Hoke/Wares:**

We are working on a 3 year project that will culminate in the development of a mild traumatic brain injury (mTBI) diagnostic index (DI). We will use existing mTBI datasets to identify key indicators that may be combined to yield a composite diagnostic index. To develop this DI, we will use a combination of mathematical modeling and statistical analysis techniques. We are looking for students with an interest in creatively exploring existing data sets to answer a real problem in the bio-medical field. Coursework in statistics or math modeling is a plus, but not required.