



## CALL FOR STUDENT MATHEMATICIANS!

The Department of Mathematical Sciences in the College of Science at George Mason University invites highly qualified undergraduates to apply to join the **Mason Experimental Geometry Lab (MEGL)** for Spring 2018.

### **Responsibilities:**

Duties include working in teams to explore mathematics collaboratively. Additionally, interns will help with community engagement in math. Interns will meet with teams weekly to advance projects. Most projects involve writing computer programs to explore mathematics. Projects will conclude with a final presentation and report.

Positions are from January 22 to May 11. There is the possibility for renewal into the Fall. All positions will be located in the Department of Mathematical Sciences (L106 in EXPL Hall). Research interns will need to register for Math 491 (1-3 credits).

### **Qualifications:**

The ideal candidate is a graduate or undergraduate mathematics student who is comfortable learning programming, has done well in proof based mathematics courses, and is *excited* about mathematics. However, all interested applicants should apply. GPA and appropriate course work will factor into decisions, as well as past experience.

### **Projects/Positions (see individual fliers for more details):**

1. Visualizing Continued Fractions: 2-3 internships available, supervised by Dr. Lukyanenko
2. The Riemann-Hilbert Correspondence: 2-3 internships available, supervised by Dr. Carchedi
3. Exploring Geometric Flows: 2-3 internships available, supervised by Dr. Berry
4. Arithmetic Dynamics: 2-3 internships available, supervised by Dr. Lawton
5. Equivariant Cohomology of Flag Manifolds: 2-3 internships available, supervised by Dr. Goldin
6. Math Outreach: 1 paid position available (\$10/hour), supervised by Dr. Lawton

### **Special Instructions to Applicants:**

Project fliers and application instructions available at: <http://meglab.wikidot.com/opportunities>

For best consideration apply by January 15, 2018. Applications will be accepted until positions are filled.