



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 2017.

Responsibilities:

Duties include working with Virtual Reality, 3D Printing, Super Computers, and Experimental Pure Mathematics (in collaborative teams). Additionally, interns will help with Grassroots Community Engagement. Interns will meet with teams weekly to advance projects, give presentations, create and document exploratory computer programs, and document results.

Research will go towards the National Science Foundation (NSF) grant NSF-DMS1500966, and Simons Foundation grant 245642.

Position are from February 6 to May 12. There is the possibility for renewal into the Summer or Fall. All positions will be located in the Department of Mathematical Sciences (L106 in EXPL Hall).

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 pure mathematics. However, all interested applicants should apply. GPA and appropriate course work will factor into decisions, as well as past experience.

Positions:

1. Research in Algebra and Combinatorics: 1-2 internships available
2. Research in Number Theory and Dynamics: 1-2 internships available
3. Development in Virtual Reality Mathematical Visualization: 1-2 internships available

Special Instructions to Applicants:

Interested parties should send a formal letter of interest, and an unofficial transcripts to the MEGL directors: Dr. Lawton (slawton3@gmu.edu) and Dr. Manon (cmanon@gmu.edu). Letters of recommendation may be solicited for finalists. Applications are accepted on a rolling basis, but positions will be filled starting on January 30.