

*Application for Undergraduate Research Assistants  
in UMaine's Virtual Environment and Multimodal Interaction Laboratory*

Director: Nicholas Giudice, Ph.D.  
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*The VEMI Lab is accepting applications for Undergraduate research assistants (UGRAs) to work on a variety of projects related to running human experiments investigating multimodal spatial cognition, human spatial learning and navigation behavior, and empirical testing and development of user interfaces and spatial displays. Our experiments are carried out in real and virtual environments and use a variety of modalities, including: vision, touch, 3-D audio, and spatial language. For more on these positions and research in the VEMI Lab see: [www.vemilab.org](http://www.vemilab.org).*

Duties of Undergraduate research assistants:

Ideally, UGRAs would be able to commit 8-10 hours per week to work in the lab for at least two semesters. The work schedule is flexible and this commitment is negotiable on a case by case basis. Most of the work will involve collecting and analyzing behavioral data on studies involving spatial learning and navigation or designing virtual environments and coding scripts to coordinate experimental procedures. UGRA's typically work in concert with Dr. Giudice and one of the graduate students in the laboratory. UGRAs may work on one or more project(s), depending on their interest and background relating to the current research. Students are trained on how to use the equipment, recruit participants, design and run experiments, and analyze data. In addition, it is expected that students will read the current literature related to their project, participate in weekly lab meetings, and engage in other lab activities.

Students who have completed some course work in any of the following areas are given preference: Biological or Cognitive Psychology, Cognitive Science, Computer Science, Cognitive Neuroscience, Engineering, New Media, and statistics (background will depend on the position sought). Familiarity with programming and basic statistical procedures is a plus (but not a requirement). Given the amount of training involved, we prefer students who anticipate being able to work in the lab for a full year.

*If interested, please complete and return this application by email to Dr. Giudice at [Giudice@spatial.maine.edu](mailto:Giudice@spatial.maine.edu).*

*Application for Undergraduate Research Assistants*

Name: \_\_\_\_\_

*Contact Information:*

Local Street Address: \_\_\_\_\_

Local Phone: \_\_\_\_\_

Local E-mail: \_\_\_\_\_

Contact Preference (mark with a \*): Phone          E-mail          Either

Permanent Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

*Background:*

Year in School: \_\_\_\_\_ Major: \_\_\_\_\_

Expected Semester and Year of Graduation: \_\_\_\_\_

Current GPA: \_\_\_\_\_ Major GPA: \_\_\_\_\_

Relevant experience: Classes, Research, programming experience, other technical background, etc.):

Research Interests:

Post-College Plans: \_\_\_\_\_

Special Skills (e.g. computer programming, statistical software, writing, etc.):

\_\_\_\_\_ What position are you applying for (see description at [www.vemilab.org](http://www.vemilab.org))? \_\_\_\_\_

In three or four sentences, explain why you are interested in this position, what is appealing to you about our lab and why you are a good fit to join our team.