

A job position available in Computer Science
*** Research Experience for Undergrads (REU) ***

We are looking to hire an undergraduate research assistant for ten weeks during the summer of 2006. The student will work with Prof. Eugene Zhang and possibly one of his students on an ongoing research project in the area of scientific visualization and computer graphics. This is an opportunity to learn a bit about research. It pays about as well as most student jobs, and looks very good on your resume. It is intended for students who are considering the possibility of going to grad school.

The project is part of a larger ongoing research effort in designing and visualizing vector and tensor fields. In many science and engineering domains, such as aerodynamics, solid and fluid mechanics, and electromagnetism, vector and tensor data are at the center of study. Recently, vector and tensor fields have been used to generate computer arts and perform shape analysis and texture synthesis. The student assistant will work on a component of vector and tensor field design and visualization.

The student is expected to work for 300 hours during the ten-week span. Specific responsibilities include literature search, algorithm design and implementation, and experimentation and evaluation. In addition, the student will mentor a high school student who is also working with Prof. Zhang during the summer on a related but smaller research project.

We are looking for a student who is a good communicator, hard worker, and good learner. Other requirements include:

1. Grade point well above a 3.0.
2. Junior or sophomore.
3. Responsible, cooperative, serious student.
4. US citizen or permanent resident.

Specific requirements:

1. C/C++, OpenGL required.
2. MatLab desirable.
3. Interest in mathematics and physics a big plus.

REU experience can make a big difference in helping a student get into good grad schools, and also to win fellowships and scholarships to pay for it, because it is a nationally-known, prestigious program. If you are considering applying, please send your application via email to zhange@eecs.oregonstate.edu by Friday, April, 21st. The application consists of your resume, a statement of purpose, transcript, date you can start working, and two references letters that are sent directly from the writers. Further details on the project are available by contacting Prof. Eugene Zhang (zhange@eecs.oregonstate.edu).