

An NSF REU Site for Computer Vision and Multi-Agent Systems

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**Summer Undergraduate Research
May 31, 2011 – Aug. 5, 2011**

The Department of Computer Science at Utah State University will conduct a ten-week summer undergraduate research program in the area of Computer Vision and Multi-Agent Systems (CVMA). Experience life as a graduate student, participant in cutting-edge research, develop and experiment with systems on state-of-the-art equipment, and partake in extra activities such as weekly seminars and social events.

Women and minority students are particularly encouraged to apply. Participants must be U.S. citizens or U.S. permanent residents.

Program Highlights

- ❖ **\$4500** stipend and **\$950** living expense
- ❖ Up to \$450 to cover costs for travel from a distance (**round-trip airline ticket + shuttle fare**; gas+food+lodging if driving)
- ❖ Hands-on research alongside faculty and graduate students
- ❖ Exposure to career options following college graduation



Research Projects

Each undergraduate will work with a faculty member on a research project in the area of Computer Vision and Multi-Agent Systems. Specific projects include:

- Semantic-based image retrieval
- Image forensic and authentication
- Object detection
 - Fire detection
 - Vision-based barcode reader
 - Human detection/face detection
 - Car detection/plate recognition
- Cooperative network monitoring



Additional information and application instructions are available at:
<http://www.cs.usu.edu/html/reu-program>

Deadline for full consideration: March 28, 2011