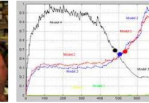


# Research Experiences for Undergraduates in Intelligent Environments for Healthy Living and Aging in Place

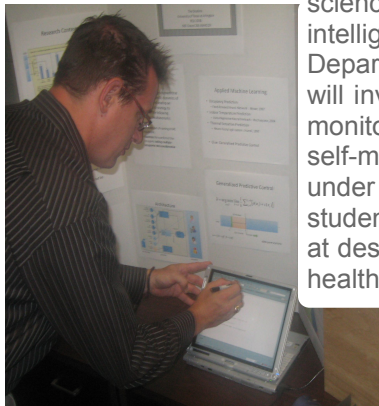
Department of Computer Science And Engineering  
The University of Texas at Arlington

Arlington, TX



## Summer 2014 Research Internships

Eight research internship positions are available for qualified undergraduate sophomore, junior and senior computer science and engineering or health care information technology students to participate in research in the field of intelligent environments for health and aging. The program will be conducted at an NSF supported REU Site in the Department of Computer Science and Engineering at the University of Texas at Arlington (CSE@UTA). Participants will investigate problems related to sensor systems, intelligent data management, care support, non-intrusive health monitoring, gaming and social media for diagnosis and treatment, and assistive technologies in the context of health self-management and aging-in-place. During this summer, each student will be working in a multi-disciplinary setting under the supervision of Computer Science and Nursing faculty and in collaboration with graduate and undergraduate students. The projects will be performed in the larger context of *SmartCare*, a multi-disciplinary research project aimed at designing software and hardware systems to enhance care, support and encourage healthy living, facilitate remote health care, improve the quality of life for persons with disabilities or chronic conditions, and facilitate aging-in-place.



### Program Activities

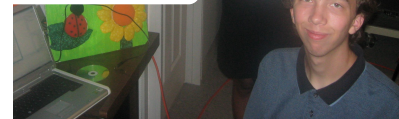
The REU program runs for 10 weeks from June 23 to August 8, 2014. In this time, students will be involved in a training course and embedded in an active research program. During this program, participants will learn research, presentation, and writing skills, obtain a background in health technology and care research, and conduct their own research project under the supervision of computer science and nursing faculty. If desired, the student participants will have the opportunity to utilize the summer program to gain course credit.

### Stipend

Each participant will receive a \$5,000 stipend and an allowance of \$1,500 to cover housing and other subsistence costs. Students from a University other than UTA will also receive a travel supplement of \$600 to compensate for added travel expenses.



Melanin  
Hemoglobin



### Application Requirements

To qualify for the program, applicants have to be:

- American citizen or permanent resident
- Undergraduate student in computer science, engineering, health informatics, or related field
- Junior or Senior in Fall 2014

### Application Schedule

- *March 15, 2014:* Priority Application Deadline
- *March 29, 2014:* Final Application Deadline
- *March 16 – April 6, 2014:* Notifications of Acceptance are sent out
- *April 13, 2014:* Declined Applicants informed

### Application Process

Applications can be submitted electronically or by mail and consist of three components:

- Application form
- Transcript (unofficial is sufficient)
- Two letters of recommendation

**Detailed information and on-line application at:**  
<http://ranger.uta.edu/~reu/Application.html>

### CSE@UTA REU Site Contact and Additional Information

WWW: <http://ranger.uta.edu/~reu>

E-mail: [reu@cse.uta.edu](mailto:reu@cse.uta.edu)

Contact: Manfred Huber, 500 UTA Blvd, Room 640, Arlington, TX 76019-0015

Tel: 817-272-2345

