



Research Experiences for Undergraduates (REU)

Declarative Programming and Its Applications

June 5, 2016 to August 13, 2016

About the Program

This REU site aims to inspire and prepare a group of undergraduate students for a career as a researcher or engineer in the computing arena or an area where computing is critical.

If you have a passion for understanding computer science better and/or in applying computing to solve problems that could have a great impact on our society, this program may be right for you.

In addition to learning state of the art declarative programming — which is simple and easy to use — participants will have many opportunities to apply declarative programming to solve challenging problems. These problems come from application areas that are of potentially great societal impact and include Cybersecurity, Energy, Healthcare, Intelligent Agents, and Space Exploration. Participants will also have the opportunity to conduct research on making declarative programming systems more powerful at both the language and reasoning level.

The program will foster close interaction between experienced mentors and the participants. There will also be opportunities to visit well known labs at Texas Tech, local hospitals, a NASA-sponsored research lab, and companies in the areas of Cybersecurity, Energy, Healthcare and Space Exploration.



Who Can Apply?

Current undergraduate students and high school students who have been accepted at an undergraduate institution, and who are U.S. citizens or permanent residents.

Benefits

A generous stipend of \$4500 for attending the program.
An allowance of up to \$1100 to offset travel cost to the REU site and to the external partners.
Free on campus housing and meal allowance.

Important Dates

Application Deadline*	March 26, 2016
Decision notification (by email)	April 10, 2016
Student acceptance letter (by email)	April 20, 2016
Program begins	June 5, 2016
Program ends	August 13, 2016

*Applications will be accepted until all TEN spaces are filled.

How to Apply and Contacts

To apply, visit <http://www.cs.ttu.edu/reu-dp>
To contact us: cs.reu-dp@ttu.edu

Mentors and Topics

Dr. Michael Gelfond	Intelligent Systems and Healthcare
Dr. Rattikorn Hewett	Internet Security
Dr. Akbar Namin	Software Engineering, Energy and Cybersecurity
Dr. Yuanlin Zhang	Declarative Programming and Healthcare/Space Exploration

