

# SCIENCE SEMINAR

Thursday, September 20

Carson Taylor 322 - 3:30 pm

What did YOU do  
this summer? (Part II)

## Sydney Folsie

Intern at Louisiana Sugar Refinery (LSR) in Gramercy, LA

Sydney worked on validating purity measurements throughout the refinery process using the Faraday Effect as well as updating lab procedures and equipment to reduce human error.

## Andrew Brown

REU Participant at Indiana University with Dr. Amar Flood

Andrew worked to synthesize Macrocycles based on computational data and to purify the resulting product so STM data could be collected.

## Eboni Williams

REU with the CIMM project (Consortium for Innovation in Manufacturing and Materials), a \$20,000,000 National Science Foundation project at Louisiana Tech

Eboni's research concerned modeling the adhesion strength of ceramic coatings for metals to increase their durability. She also used computational methods to determine the mechanism for tensile failure, and how the addition of dopants (other species besides the metal and ceramic) influence these.

Refreshments at 3:30 pm. Talks begin at 4:00.