

Sarah Nichole Bartlett

Angelo State University · 2601 W. Avenue N, San Angelo, TX 76909

Objective: To secure funding for my Master's thesis project.

Personal Data:

Date of Birth: May 9, 1988

Place of Birth: Big Spring, Texas

Nationality: North American

Email: sbartlett@angelo.edu

Education:

Coahoma High School, May 2006. Graduated with 4.0 GPA.

Bachelor of Science in Biology, May 2010, Angelo State University, San Angelo, Texas.

Master of Biology in Molecular Biology.

Thesis in progress: MOLECULAR STEMATICS OF BONNETED BATS (MOLOSSIDAE: *EUMOPS*) BASED ON MITOCHONDRIAL AND NUCLEAR DNA SEQUENCES.

Date of expected graduation: May 2012, Angelo State University, San Angelo, Texas.

Laboratory Experience:

- Member of the Freshman Research Initiative at University of Texas in Austin
- Undergraduate research project at Angelo State University under Dr. Loren Ammerman
 - Project Title: Relationships among bonneted bats (genus *Eumops*): A molecular test of morphological hypotheses.
 - Skills: DNA extraction, PCR amplification, sequencing, data analysis
 - Hardware: Thermalcycler, Beckman Coulter CEQ8000
 - Software: Sequencher v4.8, Paup, Mr. Bayes, Model Test

Field Experience:

- Netting and identification of bats throughout Coronado National Forests, Arizona, USA
- Netting for bats in Big Bend National Park and in Tom Green County which involved choosing net location, setting up nets, and removing bats from nets
- Thermal imaging of *Leptonycteris nivalis* from Emory Cave, Big Bend National Park in order to complete bat population census

Relevant Work/Teaching Experience:

- Teaching assistant at Angelo State University 2011

- Taught and graded for 5 sections of non-majors biology lab course
- Graduate assistant at Angelo State University. 2010
 - Graded for introductory biology laboratory and non-majors biology lecture course
 - Laboratory set-up for non-majors biology course
 - Taught make-up lab for non-majors biology course
- Teacher for school outreach with Dittmar Recreation Center, Austin, Texas. 2007-2008.
 - Taught afterschool science classes to elementary age students
 - Was responsible for selecting what topics to cover, acquiring proper materials for class, and solo teaching
- Volunteer counselor for Muscular Dystrophy Association summer camp in Ceta Canyon. 2005-2010.

Presentations:

- Bartlett, S. A., McDonough, M. M. & Ammerman, L. K. 2010. Relationships among bonneted bats (genus *Eumops*): A molecular test of morphological hypotheses (poster presentation). North American Society of Bat Research, Denver, CO.

Skills:

- Ability to work as part of a team and as a leader of a team
- Knowledge of laboratory procedures including contamination and enzyme treatment/storage
- Knowledge of laboratory techniques including DNA extraction, PCR, sequencing, and centrifugation
- Knowledge of data analysis programs including Sequencher v4.8, Paup, Model Test, and Mr. Bayes
- Knowledge of genetic database use
- Knowledge of print and computer based literature research