

# Gwendolyn Buchanan

TTU P.O. Box 6781  
Cookeville, TN 38501

Phone: (423) 398-0597  
Email: e.gwen.buchanan@gmail.com

## Education

Tennessee Technological University, Mathematics, 2013-present.

Dobyns-Bennett High School, 2009-2013.

Tennessee Governor's School for Computational Physics, Summer 2012.

## Scholarships

University Academic Service Scholarship, 2013-present

Physics Scholarship, 2014-2015

Tennessee HOPE Scholarship, 2013-2015

Tennessee HOPE Merit Scholarship, 2013-2015

Frederick Culp Physics Scholarship, 2013-2014

Paul Austin Memorial Scholarship, 2013-2014

## Experience

### *Teaching Experience*

Calculus-based Physics I Lab T.A., Fall 2014, Spring 2015, Spring 2016

Algebra-based Physics I Lab T.A., Spring 2014

### *Research Assistantships*

Accepted an assistantship to work on SLIMER with Dr. Steve Elliot and Dr. Keith Rielage at Los Alamos National Lab. Starting summer 2016.

Assisted Dr. Mary Kidd in writing a simulation for SLIMER. Fall and spring 2016.

Accepted the URECA grant to work on the Majorana Demonstrator with Dr. Kidd. Summer 2015.

Assisted Dr. Adam Holley in ultracold neutron data analysis. Fall 2014.

## Additional Skills

Proficient in: GEANT4, C++, L<sup>A</sup>T<sub>E</sub>X

Basic knowledge of: ROOT, Fortran

References available upon request.

Last updated: April 12, 2016