
EDUCATION

B.S. Physics, Minor: Geology:

University of Houston (Houston, TX), 2017

Associates of Science:

Lone Star College North Harris (Houston, TX), 2013

Associates of Arts:

Lone Star College North Harris (Houston, TX), 2012

ORGANIZATIONS

Society of Physics Students:

University of Houston (Houston, TX) 2015-Present

- Currently holding officer position as Vice President (2016-2017)
- Scheduling society meetings, plan social events, and reserving venues for activities
- Organized social events for students as well as scheduled graduate students to give talks for the society

The Geology Club:

Lone Star College North Harris (Houston, TX) 2011-2013

- Hosted recycling classes to the YMCA children on campus
- Held an officer position as Vice President and won the Geological Excellence Award
- Attend Adopt a Beach twice a year to reduce the amount of trash on Bolivar Peninsula

RESEARCH

Searching for a [NII] line emission in high red-shift galaxies. (Early

universe): National Radio Astronomy Observatory

(Charlottesville, VA) Summer, 2015

- Participated in a weekly professional development group to give updates on my science
- Improved my python knowledge by writing working scripts to help analyze my data set
- Presented at the American Astronomical Society conference

Undergraduate Student Instrumentation Project (USIP):

University of Houston/NASA,

(Houston, TX) 2014-Present

- Arduino Uno experience and photography
- Soldered and built external batteries
- Design, built, tested, and operated a star tracker that was attached to a high altitude weather balloon and released into the stratosphere. Presented at AGU, DPS and UH Undergraduate Day

Determining wind flow from an SO₂ line emission on Io (Jupiter's moon):

National Radio Astronomy Observatory

(Charlottesville, VA) Summer, 2014

- Adapted to Linux with learned a new python based astronomy software
- Reduced and analyzed data sets
- Presented results at two major astronomy conferences

EXPERIENCE

Mad Scientist: Mad Science of Houston

(Houston, TX) Sept. -Dec. 2014

- Taught 22 elementary aged students hands on science experiments after school
- Prepped lessons plans for students in 15 minutes or less
- Performed science experiments for major events for kids in downtown Houston

Student Worker: The Women's Resource

(Houston, TX) Jun. 2013-May 2014

- Facilitated a free Love is Respect course for all students interested; I prepped 10 lessons plans (10 classes) and taught 3 one hour classes
 - Coordinated up to 3 events for one week on multiple occasions and created media to advertise events
 - Promoted events through social media, word of mouth, and flyers
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