

EUGENE TSAO

eugenejtsao(at)gmail.com

www.eugenetsao.com

EDUCATION

Washington University in St. Louis

Graduated May 2017

A.B. in Physics, Cum Laude with Thesis

Minor: German

GPA: 3.74

Goethe-Institut

Summer 2014, Göttingen, Germany

German Language Study

SKILLS

Computer Simulation

Mathematical modeling in Mathematica and MatLab

Machining & Electronics

Part fabrication in metal and plastic with lathe, mill, and CNC mill; as well as analogue circuit design and construction

Languages

English—Native Fluency

German—Professional Fluency

HONORS

Delos Fellowship

For Physics Research in Henriksen Lab

Summer 2016

Göttingen Fellowship

For German Language Study at Goethe-Institut

Summer 2014

Dean's List

Fall 2013, Fall 2014—Spring 2017

WORK & ACTIVITIES

Henriksen Experimental Physics Lab

Research Assistant Fall 2015—Spring 2017

Thesis: *Classical Magnetic Frustration*

Designed (SolidWorks) and constructed (inc. machining) an ensemble of interacting bar magnets that serves as a classical analogue to the quantum spin glass state. Analyzed experimental features by comparison to idealized Monte Carlo computer simulation.

Presented this research at 2017 American Physical Society March Meeting.

Uncle Joe's Peer Counseling and Resource Center

Social Chair, 2015—2016

Recruitment, 2014 & 2016

Served as crisis call-line and walk-in counselor 2014–2015; planned and expanded team and community building events as social chair.

LAUNCH Pre-Orientation

Group Leader, 2014—2016

Led groups of freshman ("families") in team building and diversity related activities before the beginning of the academic year.

Asian Pacific Islander American Initiative

Member, 2014—2015

Met with administrators and faculty to expand Asian and Pacific Islander American (APIA) related coursework, and lobbied for APIA and other minority faculty hires.

Silver Leaf Farms

Farmhand, June 2015, Corrales, New Mexico

Worked as a farmhand on a small, organic farm that delivers sustainable, locally grown produce to the Albuquerque area, and sold produce at local farmers markets.