

EUGENE TSAO

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eugenetsao.com

EDUCATION

2013—2017

Washington University in St. Louis

A.B. in Physics, Cum Laude; Minor: German

Summer 2014

Goethe-Institut

German Language Study
Göttingen, Germany

RESEARCH

Fall 2015—Spring 2017

Henriksen Experimental Physics Lab

Research Assistant

Thesis: *Classical Magnetic Frustration*

Designed and constructed a classical analogue to the spin glass state via an ensemble of interacting bar magnets, and confirmed features via Monte Carlo computer simulation

March 2017

Presented poster on *Classical Magnetic Frustration* at 2017 APS March Meeting

October 2016

Presented poster on *Macroscopic Frustration* at WUSTL Undergraduate Research Symposium

September 2016

Presented chalk talk on *Frustration and Degeneracy* to WUSTL Society of Physics Students

SKILLS

Machining & Electronics

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

Computer Simulation

Modeling in Mathematica and MATLAB

Languages

English—Native Fluency; German—Professional Fluency

ACTIVITIES

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 community building events as social chair.

LAUNCH Pre-Orientation

Group Leader, 2014—2016

Led groups of freshman 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.

HONORS

Delos Fellowship

For 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

REFERENCES

Available upon request.