

Trey Maddaleno

Sophomore Undergraduate Chemist

1000 S Franklin
Centennial Hall 2228
Kirksville, MO 63501
tam2751@truman.edu
tremaddaleno.github.io

EXPERIENCE

Winikoff Research Lab, Computational Chemistry

MARCH 2019 - PRESENT

Used computational methods to analyze the energetics and geometries of various chemical systems.

Research at West Virginia University REU Site, Goulay Lab

MAY 2019 - JULY 2019

Worked with graduate students. Studied a radical-neutral reaction using laser induced fluorescence spectroscopy to evaluate dependencies of its rate coefficient as well as explored the potential energy surface using theoretical calculations. See link for poster.

<https://tinyurl.com/svpf32e>

EDUCATION

Truman State University — B.S. in Chemistry in Progress

AUGUST 2018 - PRESENT

3.83 overall GPA, 4.00 major GPA

Environmental studies and astronomy minors.

Completed courses include general chemistry, introduction to quantitative analysis, calculus 3, and general physics, currently enrolled in organic chemistry

Putnam County R-1 High School — High School Diploma

AUGUST 2014 - MAY 2018

4.118 GPA, Valedictorian

CURRENT POSITIONS (2019-2020)

American Chemical Society — Historian

Maintained a record of the chapter's officers, activities, documents, and will compile a report at the end of the academic year

SKILLS

Gaussian calculations

Familiarity with Unix command line

Familiarity with laser optics

70 WPM typing

PROFESSIONAL AFFILIATIONS

General John J. Pershing Scholar

Recipient of competitive full-tuition scholarship at Truman State University

Ronald E. McNair Scholar

Program focused on preparing first-generation students for graduate degrees

ADDITIONAL ON-CAMPUS ORGANIZATIONS AND ACTIVITIES

College Democrats
former Communications Director, updated social media and documented events

KTRM, student radio

Operated a soundboard, queue songs, and speak on-air

Alpha Chi Sigma

active in professional chemistry fraternity, participated in weekly general chemistry tutoring