

Dalton Sconce

CONTACT INFORMATION

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Terre Haute, IN 47805

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EDUCATION

Indiana University,
Bachelor of Science, Mathematics (May 2022),
Bachelor of Arts, Latin (May 2022),

Bloomington, Indiana
High Distinction
High Distinction

Terre Haute North Vigo Highschool,
Core 40 with Academic Honors,

Terre Haute, Indiana
Salutatorian

HONORS AND AWARDS

William P. Ziemer Award *Indiana University Math Department 2019*
Lillian Gay Berry Latin Scholarship *Indiana University Classical Studies Department, 2020-21*
Corey M. Manack Memorial Scholarship *Indiana University Math Department 2020*
Marie S. Wilcox Scholarship *Indiana University Math Department 2021*
Rainard Benton Robbins Prize in Mathematics *Indiana University Math Department 2022*

RELATED EXPERIENCES

Undergraduate Instructor

January, 2018 - May 2022

Duties include proctoring and grading exams, answering homework questions via email and tutoring for an introductory Calculus course.

Math Club Treasurer

August 2019 - May 2022

Duties include facilitating learning and introductions to math which may not be encountered in the classroom and assist in providing guidance to younger students, along with working with faculty and staff to provide such an environment.

Math Club Vice President

August 2020 - May 2022

Duties include overseeing marketing and administrative tasks, and organizing events to help expose undergraduates to information they might not otherwise learn, e.g. math graduate school information panels and REU panels.

RESEARCH

REU

Summer 2021

Worked with Dr. Julia Plavnik and her graduate student, Sean Sanford on extending the main result from a 1998 paper titled *Tensor Categories with Fusion Rules of Self-Duality for Finite Abelian Groups*, by Tambara and Yamagami that classified certain types of fusion categories built from finite abelian groups by relaxing one of their main conditions. The results from said summer are available at <https://cloud.dsconce.space/s/HL45Bj8PLWWAKXE>

COMPUTER SKILLS

Applications:

L^AT_EX
Microsoft Office