

Harley Meade

CONTACT INFORMATION 9007A Sandalwood Dr (571) 606-7145
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EDUCATION **James Madison University, Harrisonburg, VA**
Bachelor of Science in Mathematics, expected May 2019

- Math GPA: 3.753
- Cumulative GPA: 3.625

WORK EXPERIENCE **James Madison University's Department of Mathematics and Statistics**
Teaching Assistant, Calculus I Jan. 2018 - May 2018

- Answered questions and guided students to discover how to figure out the processes on their own in a flipped classroom setting.
- Held weekly office hours to answer questions on homework and to reinforce material covered in class.
- Wrote solutions for in-class activities to be posted for reference in a timely manner.
- Participated in weekly meetings with the supervising professor to discuss the previous week and plan for the following week.

James Madison University's Department of Integrated Science and Technology
Teaching Assistant, Earth and Planetary Science Jan. 2018 - May 2018

- Planned class structure and content in coordination with the professor.
- Developed and graded weekly quizzes and portfolio assignments.
- Communicated with students by sending out announcements, as well as answering any questions the students had outside of class.

Private Tutor
Mathematics Tutor Oct. 2017 - Present

- Reinforces material taught in Calculus III, Discrete Mathematics, Linear Algebra, History of Math, and Advanced Calculus I, as well as offering tips for studying the material.

RESEARCH EXPERIENCE **Optimal Rolling Trefoil Knots, James Madison University**
Advisors: Laura Taalman, Stephen Lucas Sept. 2018 - Present

- Constructed 3 dimensional models of trefoil knots and worked on the optimization of how well the models can roll, including altering the parameters and testing the models practically.

Spatial Graphs, James Madison University
Advisors: Laura Taalman, Stephen Lucas Sept. 2018 - Present

- Constructed various 3D representations of complete graphs and complete bipartite graphs, and found a new way to represent book embeddings.

INVOLVEMENT **Pi Mu Epsilon - Virginia Gamma Chapter**
Vice President April 2018 - Present

- Assists in planning social events for members in coordination with the other officers.
- Communicates with members about upcoming events and opportunities.

Child Enrichment Program via Harrisonburg City Public Schools
Volunteer Oct. 2017 - May 2018

- Oversaw the safety of students in grades kindergarten through fifth grade during recess.
- Engaged with students academically through worksheets and activities.
- Provided additional one-on-one attention to students with limited English abilities.

Expanding Your Horizons Conference at James Madison University
Assistant Volunteer Coordinator March 2018, 2019

- Assisted in preparation for the conference including set up and volunteer training.
- Managed check-in procedures for volunteers.
- Covered volunteer placements for absent volunteers.
- Served as liaison between volunteers and the Volunteer Coordinator or the conference organizers.
- Delegated additional responsibilities to volunteers as needed.

- Coordinated interactions between volunteers and participants during lunch.
- Guided videographer around the conference.
- Performed additional tasks as needed by Volunteer Coordinator and conference organizers.

Volunteer

March 2017

- Directed participants to the correct locations.
- Engaged participants via activities and answering questions they had about STEM and college.

Association for Women in Mathematics - JMU Chapter

Member

Sept. 2017 - Present

James Madison University's Mathematics and Statistics Club

Member

Sept. 2016 - Present

Baldwin Elementary School, Manassas, VA

Volunteer

Oct. 2013 - Present

- Works with students individually or in small groups as extra practice for both students who are falling behind and for students who are already ahead of standards.
- Serves as mentor for students.
- Leads the classroom in the event of a substitute teacher.
- Encourages positive behavior through positive reinforcement.
- Assists the teacher in additional tasks as the need arises.
- Supports students new to the English language by providing additional one-on-one interactions.

SKILLS

MATLAB, L^AT_EX, OpenSCAD, Python