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Outreach Activities

- **qGrads** University of Wisconsin
Organizer *July 2017 – Present*
 - A social organization for LGBTQ+ graduate students and post-graduate students at the University of Wisconsin - Madison.
 - Organize a weekly coffee social event, with a consistent attendance of 10-20 students, intended to give LGBTQ+ graduate students a place to relax, make friends, and discussion the challenges of being LGBTQ+ at the UW - Madison.
- **Math Girls Night Out** University of Wisconsin
Mentor *September 2018 – December 2018*
 - Mentored two women from local high schools on a project about RSA.
- **Madison Math Circle** University of Wisconsin
Lead Organizer *January 2016 – December 2018*
 - Helped lead the creation of a new outreach program, which directly visits high schools around the state of Wisconsin to better serve students from underrepresented groups.
 - This program has dramatically expanded expanding the reach of the circle, with over 20 likely visits planned for this year reaching hundreds of students.
 - Responsible for helping presenters (professors, post-docs, graduate students, and undergraduate students) learn to design and give effective math lessons giving middle and high school students a glimpse of the beauty of math research.
 - Worked to increase the attendance at weekly meetings. Since joining the Circle in 2015 average attendance at these meetings has more than doubled.
- **Out in STEM (oSTEM) @ UW-Madison** University of Wisconsin
co-Founder & Vice President *July 2017 – July 2018*
 - A student organization aimed at promoting and supporting LGBTQ+ individuals working and studying in STEM fields at the University of Wisconsin - Madison.
 - Since its founding this summer oSTEM@UW has grown to have a diverse membership of over 50 people from around campus. This includes undergrads, grads, special students, etc.
 - This is the only resource on campus aimed specifically at LGBTQ+ individuals in STEM, and thus fills a substantial gap. As one student said after attending a meeting, “It made me very happy to see other friendly LGBTQ+ faces around, and I got to meet two people who were already in classes of mine! Thanks so much for organizing this stuff – it’s really helpful for me personally, and I believe it was encouraging for the others attending as well.”
 - In Fall 2017 I secured an ASM travel grant to help 11 of these members attend the national oSTEM conference. This includes multiple undergrads for whom this will be their first conference, and their first chance to present their research. The grant was for the maximal possible amount.

- **Out in Math: Professional Issues Facing LGBTQ Mathematicians** Joint Math Meeting
Panelist January 2018
– Spectra panel addressing issues of concern for LGBTQ mathematicians, professionals or students
- **Madison Mega Math Meet** University of Wisconsin
Graded May 2015/2017
- **Madison Math Circle** University of Wisconsin
Student Volunteer January 2015 – August 2017
- **Bonding Undergraduate and Graduate Students** University of Wisconsin
Mentor for Undergraduate September 2014 – December 2014
– Mentored an upper level undergraduate student interested in pursuing graduate school in STEM.

Service

- **AMS Graduate Student Chapter** University of Wisconsin
Member September 2014 – Present
– Gave a number of talks in the Student Chapter (aka Donut) Seminar for a general audience.
- **Graduate Peer Mentoring** UW Dept. of Mathematics
Mentor August 2018 – May 2019
– Served as the peer mentor to five incoming graduate students from minority genders.
– Organized monthly mentoring events for my mentees focusing on creating a space where everyone is comfortable discussing issues they might be facing.
- **Directed Reading Program** UW Dept. of Mathematics
Mentor January 2018 – May 2019
– Lead three undergraduates on semesters long reading project on Commutative Algebra, Algebraic Geometry, and applications of these fields.
– Lead an undergraduate women on a two semester reading project using *Ideals, Varieties, and Algorithms*. Also provided guidance on applying for REU's.
- **Prospective Student Visit Day** UW Dept. of Mathematics
Organizer/Volunteer September 2015 – August 2018
– Organized the evening social activities for prospective students during the 2015 and 2016 visit days.
– Have volunteered during 2015, 2016, and 2017 to serve on the graduate student panel and host prospective students for lunch.
– During the 2018 visit I hosted an international prospective student at my house for 4 days.
– For the last two years have followed up with prospective students after visit day via email to answer any lingering questions.
- **Committee on Inclusivity and Diversity** UW Dept. of Mathematics
Member November 2016 – May 2017
– Helped create policies seeking to make the department a more welcoming, inclusive, and comfortable place for every member of our university community. This included drafting the department's statement on inclusivity, and creating similar statements for syllabi to be used throughout the department.

- **Committee on TA Pay and Performance** UW Dept. of Mathematics
Member *September 2015 – May 2017*
 - Helped develop and implement a new system to evaluate TA performance, with the goal of creating a more transparent, useful, and non-biased system.
- **Graduate Student Algebraic Geometry Seminar** UW Dept. of Mathematics
Organizer *March 2015 – December 2017*
 - Have worked to encourage young graduate students to become involved and give presentations.
- **AMS Graduate Student Blog** American Mathematical Society
Senior Editor *September 2015 – September 2018*
- **International TA Training** UW Dept. of Mathematics
Guest Teaching Mentor *August 2017*
 - Mentored three first time international teaching assistants for one week.
- **Instructor Excellence Program** UW Dept. of Mathematics
Teaching Mentor *September 2015 – May 2016*
 - Mentored roughly one ten first time teaching assistants including multiple class visits.
 - Helped create and lead workshops for first time teaching assistants.

Organizing

- **Spectra Panel: Supporting Transgender and Non-binary Students** Joint Math Meetings
Organizer *January 2020*
 - A panel discussing the experiences of transgender, non-binary, and gender nonconforming students, and ways that universities (faculty, staff, and administration) can be more supportive of transgender and non-binary students.
 - This panel hopes to spark frank conversations amongst university faculty, staff, and administration about structural changes that can be made that will increase the gender diversity of mathematics departments.
- **Special Session on Combinatorial Algebraic Geometry** AMS Sectional
Organizer *September 2019*
- **GWCAWMMG** U-Minnesota Dept. of Mathematics
Organizer *April 2019*
 - Graduate Workshop in Comm. Alg. for Women & Mathematicians of Minority Genders
 - A two day workshop focused on forming a community of women and non-binary researchers interested in commutative algebra through learning about specific topics in commutative algebra from a group of prominent active researchers.
 - Approximately 35 participants.
 - Helped secure an NSF grant for \$15,000 to cover the costs of the conference.
- **Geometry & Arithmetic of Surfaces** UW Dept. of Mathematics
Organizer *February 2019*
 - A two day workshop providing a diverse group of early career researchers the opportunity to learn about interesting cutting edge topics in the arithmetic and algebraic geometry of surfaces from a diverse set of prominent active researchers

- Approximately 40 individuals attended, with approximately half being women and mathematicians of minority genders.

- **Macaulay2 at Wisconsin**

UW Dept. of Mathematics

Organizer

April 2018

- A four day workshop focused on extending the functionality of the computer algebra system Macaulay2 by developing new packages.
- Approximately fifty individuals attended, with a large focus on recruiting individuals from generally underrepresented groups and the UW-Madison community.
- Helped secure an NSF grant for \$15,000 to cover the costs of the conference.

- **Math Careers Beyond Academia**

UW Dept. of Mathematics

Organizer

April 2017

- Organized a one day professional development conference focused on providing graduate students and advanced undergraduates a sense of potential careers outside of academia, and what skills they should be developing to pursue those careers.
- Over 50 individuals from many departments on campus participated in this event. This included numerous undergraduates and a handful of individuals from other parts of the Madison area.
- Secured a \$1000 grant from the Graduate School at UW - Madison.