MSCS Mess

Attention Math Majors! Undergraduate Resource Fair - Nov 19th & 20th [Zoom]

You're invited to the **Online Undergraduate Resoruce Fair for the Advancement and Alliance of Marginalized Mathematicians** (OURFA^{2}M^2), taking place via Zoom November 19th and the 20th.
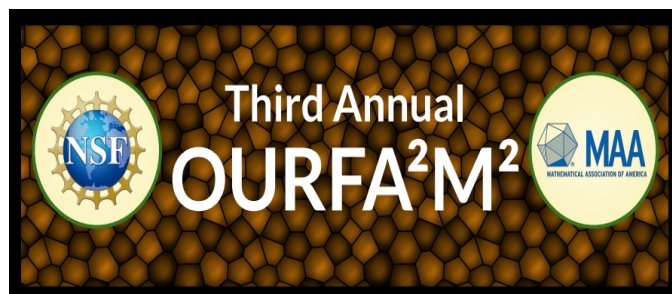
This conference aims to help students start or develop a math career (in research, teaching, or industry). Anyone is welcome to attend, and we are especially aimed at students from underrepresented and marginalized groups in mathematics.

This conference is for:

- Students at all levels, from pre-calculus up.

- Students who want to learn about career building opportunities.

- Students who want to connect with peers and potential mentors.

This event will also include a crash course of areas of math common to undergraduate research, various programs for undergrads, a resource presentation on mentorship and math organizations, and networking lunches.

Please see more details on our website, and register here!

Job Positions

CS Technical Assistant for Spring 2023

St. Olaf CS invites applicants for the position of CS Technical Assistant for Spring 2023. This is a new position for providing technical support for specific CS courses, which may include services such as the following:

- installation and configuration/setup for technologies needed for a course;

- help for students who are using those technologies;

- responding to technology needs or updates that may arise during a course.

(Note that these are selected duties that were formerly carried out by students in the position of Cluster Manager, which will be discontinued after Fall 2022.)

We anticipate hiring CS Technical Assistants for the Spring 2023 courses CS 241, CS 273, and possibly CS 390. Qualifications depend on the needs of each particular course, which are generally indicated in the application form. Experience with a course's technologies is highly desirable, but it is not necessary to have taken a course in order to serve as a CS Technical Assistant for that course.

Please apply using this form by **Monday, November 28, 2022, at 5pm**. Contact Prof. Matsuura (matsuura@stolaf.edu) with questions you may have about the CS Technical Assistant positions for Spring 2023.

NOTE:

St. Olaf CS actively encourages diversity in our student workforce, including women and other underrepresented groups in computing. We specifically encourage application from persons who can contribute to diversity and inclusiveness of our program through work in these positions.

Attention CS TAs! Lead CS TAs Needed!

The CS Program is looking for new Lead CS TAs! We're planning to hire 2 Lead CS TAs who would be responsible for updating TA training materials and running CS TA training at the beginning of each semester. The primary time commitment will be during interim 2023, when updates to the handbook will be made, and at the start of spring and fall semesters when CS TA training occurs.

The qualifications required:

- Current or past CS TA,

- Willing and able to commit to the position from Interim 2023 through Spring 2024, **(No current seniors, sorry!)**

- Interest in helping train new CS TAs.

If you're interested, please **fill out** this form **by 5pm on Tuesday Nov. 22**. We are looking forward to seeing your applications! Please reach out to newcom3@stolaf.edu and getche1@stolaf.edu with any questions.

Volunteer/Experience Opportunities

MSCS Students - St. Olaf Hackathon Volunteer Sign ups

We are still looking for more volunteers who can help us run a hackathon. Typically a hackathon works to tackle a particular problem, puzzle, or a challenge to create a particular application. OleHacks will be a 36-hour long Hackathon starting on Friday night and ending on Sunday afternoon. We hope to have volunteers with a variety of skill sets which means *you do not need to have the ability to carry out every responsibility written below!* We also welcome volunteers who cannot stay during the entire 36 hours.

Responsibilities of volunteers include:

- Logistics help (Help greeting guests, setting up and cleaning up venue, organizing meal breaks, etc).

- Providing technical mentorship for participants.

- Facilitating group sessions happening during the Hackathon.

- Facilitating game sessions during the Hackathon.

- Helping guest speakers and sponsors set up their presentations.

- Reaching out to potential sponsorships for funding.

Here is one example of a previous hackathon held at St. Olaf! And here is another example of a previous hackathon!

CS Undergraduate Research

St. Olaf CS invites applicants for undergraduate research student work during Fall '22 and possibly Spring '23, for work on projects involving cloud computing or Raspberry Pi units, as part of the CSinParallel research group. Specifically, the work relates to (1) "Runestone Backend", an automated containerized parallel/cluster computations on Google Cloud using Kubernetes, and (2) the Self-Organizing Cluster system for the Raspberry Pi, including system image development. Qualifications depend on the particular project, as described in the application details. Both are ongoing projects with flexible expectations for hours per week, and strong applicants who may have partial qualifications are encouraged to apply for one or both projects.

Please apply here**, applications will be accepted and considered until further notice.**

REUs: Summer Research in MSCS

If you are interested in being paid to collaborate on a research project with students from around the country off campus this summer, keep reading! To look through the programs available for Research Experiences for Undergraduates (REU's), check out this link! Most of them are done over the course of 8 – 10 weeks during the summer and include stipends around $4,000. Applications will open in November and most will be due between late January and early March.

Read the eligibility for each because many are restricted to certain years in school, certain majors, or US citizenship. The website has a variety of tabs at the top to help you find programs that apply to you! In particular, there are lots available for international as well as domestic students!

Most applications require a personal statement about why you would like to participate in the REU as well as letters of recommendation, so start looking into these sooner rather than later! And keep an eye on your email for an invitation to an REU application workshop coming later in November!

Make sure to reach out to us (mercur1@stolaf.edu and mainel1@stolaf.edu) if you have any questions!

To submit an article, event, or anything else for publication in the Mess, email hilst1@stolaf.edu; to receive the Mess digitally each Friday, email habero1@stolaf.edu; visit http://wp.stolaf.edu/mscs/mscs-mess/ for a digital archive of previous MSCS Mess issues.

Jacob Hilst, Editor
Daniel Stoertz, Faculty Adviser
Ellen Haberoth, Mess Czar