

MSCS MESS

Department of Mathematics, Statistics, and Computer Science
St. Olaf College, Northfield, MN 55057
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2022 CURI Projects in MSCS

If you're looking for an opportunity to engage in research this summer, then you might want to check out these projects! The Collaborative Undergraduate Research and Inquiry (CURI) program at St. Olaf has released their projects for the summer of 2022. Six projects are being led by MSCS faculty. **You can click here** for details on all projects and how to apply!

Computational Mathematics Textbook Development

Advisors: Matthew Wright and Matthew Richey
Highlights: computational mathematics, math education, programming in Python and Mathematica

Multi-Robot Communication and Exploration

Advisor: Elizabeth Jensen
Highlights: ad-hoc communication networks, multi-robot systems, robot exploration, wireless communication

Concrete Specialization of Elliptic Surfaces

Advisor: Tyler Billingsley
Highlights: computation, elliptic curves, number theory

Power Digraphs for Finite Groups

Advisor: Adam Wood
Highlights: algebra, group theory, graph theory

Estimation of Sample Contamination in Transcriptomic Sequencing Data

Advisor: Jaime Davila
Highlights: bioinformatics, data science, genomics, transcriptomics, programming in R

Towards a Charge Statistic Beyond Type A

Advisor: Adam Schultze
Highlights: algebra, polynomials, programming in Python

MSCS Alums: Where Are They Now?

Turns out they're right here! Did you know we have **five alumni** teaching in the MSCS department? For math professors, we have Bruce Hanson '75 and Adam Wood '16; in statistics and data science, Paul Roback '89 and Laura Boehm Vock '08 are alums; and Elizabeth Jensen '07 from computer science rounds out the list. Ask them about their experiences as a student here and their path out of St. Olaf!

To submit an article, event, or anything else for publication in the Mess, email mcgowa2@stolaf.edu; to receive the Mess digitally each Friday, email habero1@stolaf.edu; visit <http://wp.stolaf.edu/mscs/mcs-mess/> for a digital archive of previous MSCS Mess issues.

Spring Fun in MSCS

After this quiet Interim is done, the MSCS department will return with more exciting events! Highlights include the annual department talent show and trivia night, various events by student orgs, and of course more colloquia and research seminars. Stay tuned - and, of course, the MSCS Mess will return in the spring to let you know of all these events!

David McGowan, Editor
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