

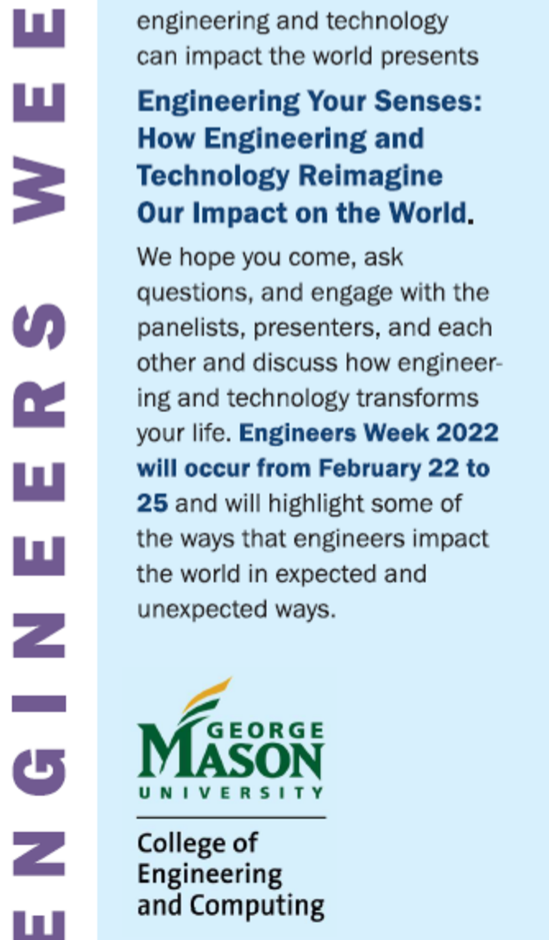


THE WEEKLY

George Mason University's College of Engineering and Computing and the Office of Diversity, Outreach, and Inclusive Learning (DOIL) invites students, faculty, and staff to participate in Engineering Week 2022. To celebrate the week, we will explore the five senses and discover through sensory information and activities how engineering and technology can impact the world.

We hope you come, ask questions, engage with the panelists, presenters, and each other and discuss how engineering and technology transform your life. Engineers Week 2022 will occur from February 22 to 25 and will highlight some of the ways that engineers impact the world in expected and unexpected ways.

RSVP for the events [here](#).

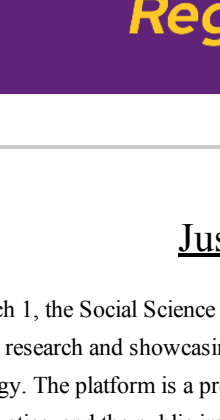


ENGINEERS WEEK 2022

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Engineering Your Senses: How Engineering and Technology Reimagine Our Impact on the World.

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TUESDAY, FEBRUARY 22 (12:00 p.m. to 3:00 p.m.)
Nguyen Engineering Building Atrium
Taste your way to the Nguyen Engineering Building and spend the day mixing, tasting, and making your own Ice Cream with Liquid Nitrogen. Learn about the advances in engineering and technology that make this reimagined treat possible. Whether you like vanilla, chocolate, or something in between, we've got something for you.

TUESDAY, FEBRUARY 22 (4:30 p.m. - 5:30 p.m.)
oSTEM Startup Meeting and Discussion ENGR 2901
Students and faculty interested in becoming members and advisors for the university's soon to be established Out in Science, Technology, Engineering, and Mathematics (oSTEM) are invited to gather to brainstorm and discuss the mission, vision, and outcomes they want for the chapter.

WEDNESDAY, FEBRUARY 23 (12:00 p.m. to 3:00 p.m.)
Nguyen Engineering Building Atrium
Feel the effects and importance of mechanotherapy and immunotherapy to your wellbeing and that of others. While you are at it, take in the massages that will be offered for students and faculty utilizing massage equipment made through engineering advancements.

WEDNESDAY, FEBRUARY 23 (12:00 p.m. to 3:00 p.m.)
Nguyen Engineering Building, Vangnet Conference Room(2901) and 1602
Smell your way into an olfactory opportunity and join us to find out more about how scents are made. Join us and engage in your own perfume or cologne making. Create your scent, bottle it, and take it home.

THURSDAY, FEBRUARY 24 (4:00 p.m. to 6:00 p.m.)
Nguyen Engineering Building Atrium
Hear about the impact that engineering and technology has made on music, acoustics, symphonies, etc., and make your own beats and music. We will have DJ recording booths - where you'll learn how sound engineers make music.

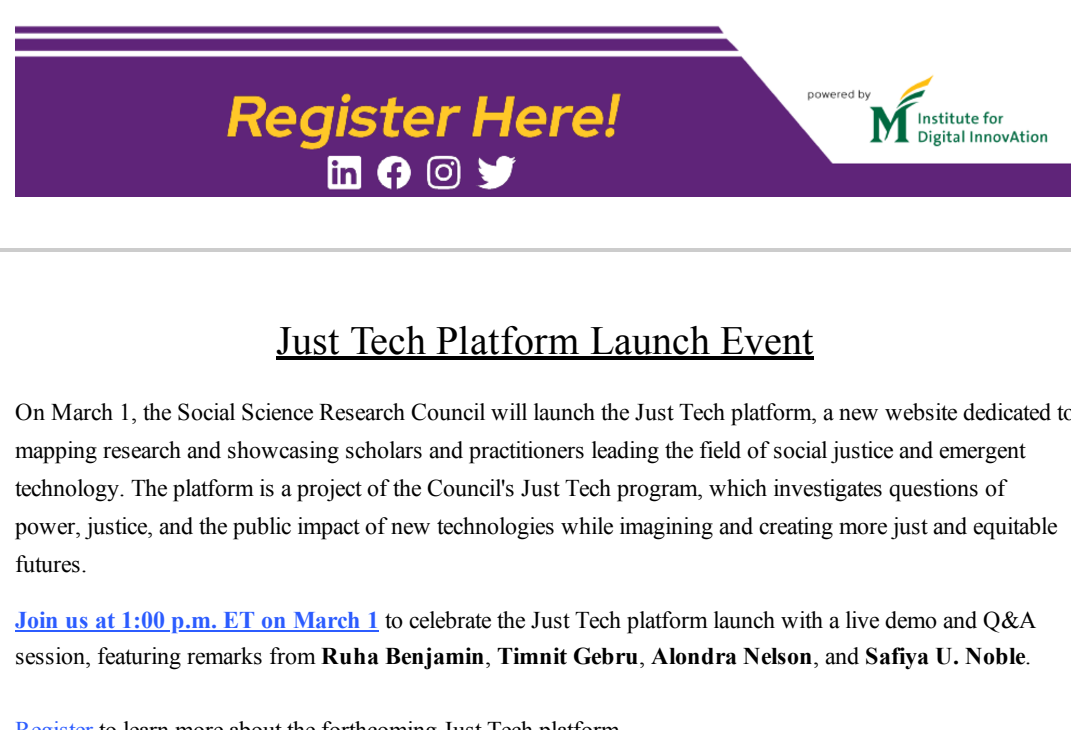
THURSDAY, FEBRUARY 24 (6:00 p.m. to 9:00 p.m.)
Jhodia Auditorium
Come out and see for yourself. Students, faculty, and staff can come and enjoy our AI/Technology themed film, Free Guy.

FRIDAY, FEBRUARY 25 (12:00 p.m. to 2:00 p.m.)
Nguyen Engineering Building Atrium
Come see, touch, taste, smell, and hear about the cool and interesting projects that our CEC students and faculty are working on. From creating life saving technology in bioengineering, to protecting our national interests through cybersecurity, or making our infrastructure stronger and more accessible through civil engineering. Come and be awed by the reimagined possibilities of engineering and computing.

UPCOMING EVENTS

Two Hacks in One: A Double Hackathon at Mason

Mark your calendar for Mason's TechConnect Hacks, featuring two coinciding hackathons: [PatriotHacks](#) and [HackOverflow](#). Register [here](#).



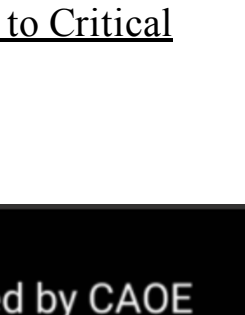
About the event

If you think a hackathon is fun, imagine how much learning and collaboration would be in a double hackathon? On March 11th-13th, the in-person TechConnect Hacks event at George Mason University will feature the fourth annual PatriotHacks Hackathon and the first HackOverflow hackathon.

A hackathon is a 40-hour event where students work in a sprint-like environment to solve real-world problems. The coinciding PatriotHacks and HackOverflow hackathons, which focus on software and hardware, respectively, will bring more than 250 students from colleges and universities across the country. The "hacks" and ideas students can create are endless.

Examples of past projects include: creating virtual reality classrooms, a machine learning algorithm to classify news articles, creating sustainable earth solutions, and even an augmented reality DJ mixer.

Register Here!



Just Tech Platform Launch Event

On March 1, the Social Science Research Council will launch the Just Tech platform, a new website dedicated to mapping research and showcasing scholars and practitioners leading the field of social justice and emergent technology. The platform is a project of the Council's Just Tech program, which investigates questions of power, justice, and the public impact of new technologies while imagining and creating more just and equitable futures.

[Join us at 1:00 p.m. ET on March 1](#) to celebrate the Just Tech platform launch with a live demo and Q&A session, featuring remarks from [Ruha Benjamin](#), [Timnit Gebru](#), [Alondra Nelson](#), and [Safiya U. Noble](#).

[Register](#) to learn more about the forthcoming Just Tech platform.



Hackathon: Countering Emerging Threats to Critical Infrastructure

DHS Centers of Excellence (COEs) hosted by CAOE

Hackathon
Friday, 2/25 - Sunday 2/27

Countering Emerging Threats to Critical Infrastructure

Register now. Students will design, build, and implement innovative solutions to real-world problem statements impacting homeland security. Mentored teams will present their suggestions to DHS leadership. **Three winning teams each receive \$3,000 prizes.**

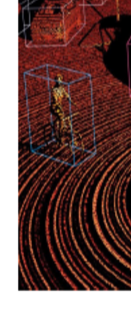
- Build cyber security, teambuilding and communication skills
- Explore career opportunities with DHS
- Hybrid event, in-person at participating schools and virtually via Zoom and Discord



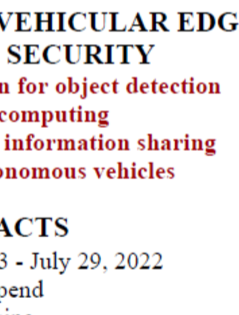
About the CINA Center

The Criminal Investigations and Network Analysis Center (CINA) is part of the prestigious network of Department of Homeland Security Centers of Excellence. This Mason-led consortium brings together leading experts and researchers to pursue multidisciplinary approaches to disrupt criminal activities across the physical and cyber spaces.

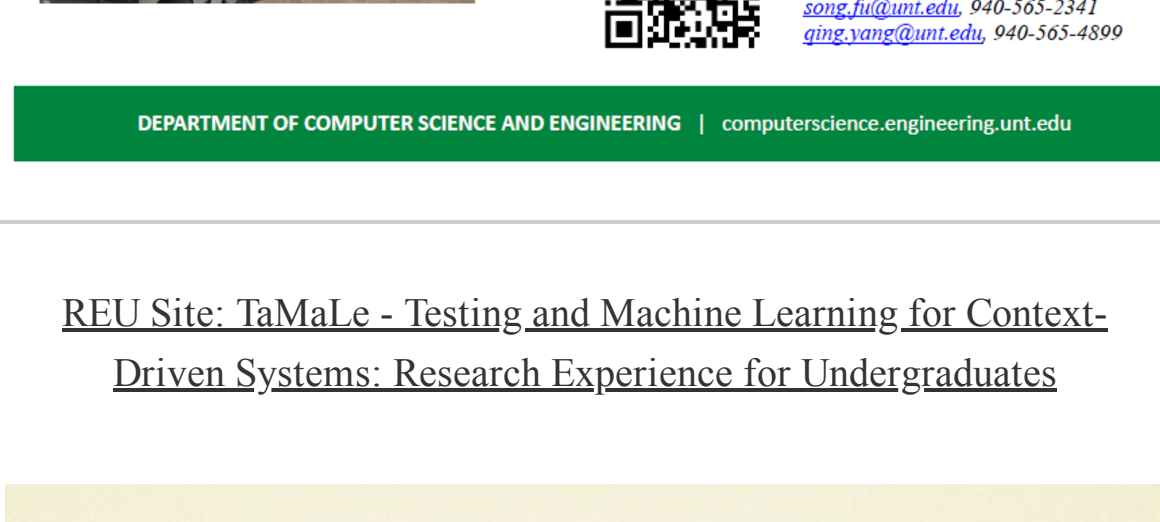
Learn more about internships, open seminars and research opportunities at [cina.gmu.edu](#).



Register and get more information:
[cina.gmu.edu/events](#)
[@CINAatMason](#)



Funding for Virginia Startups and Growing Companies

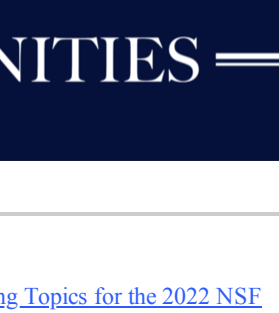


FUNDING FOR VIRGINIA STARTUPS AND GROWING COMPANIES
Presented by Fairfax County Economic Development Authority in partnership with NVTC Digital Transformation Community

FEBRUARY 23, 2022
6:00-7:00 PM

Learn about funding and grants for your start-up and growing at this virtual event

Featuring speakers from:



TO REGISTER:
<https://fundingforvirginiastartupsandgrowingcompanies.eventbrite.com>

Advanced Computing for Social Change Institute

The Advanced Computing for Social Change Institute offers unique opportunities for undergraduate students who want to enhance their skill set and create positive change in their community.

The 2022 ACSC East Coast in-person event will take place May 16-20, 2022 (Located in Washington, DC).

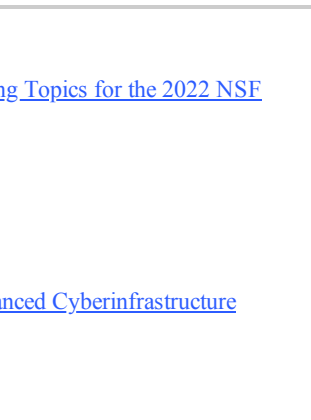
Application Deadline: February 21, 2022. Notification of acceptance to be sent in March 2022.

Apply [here](#).

Writing Workshop for Teaching and Mentoring Statements

The 2nd Spring 2022 Faculty Affairs-Research Development Services Interactive Workshop entitled **Writing Workshop for Teaching and Mentoring Statements** will be held **Thursday, February 24 from 1:30-3:00 pm**.

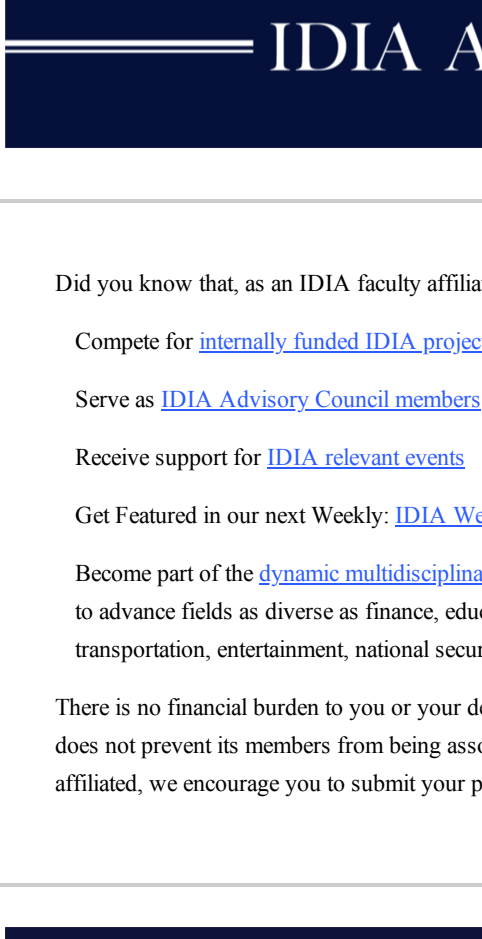
The workshop will help you think through how to convey the impact and effectiveness of your teaching and mentoring for renewal, tenure, and/or promotion. The workshop is appropriate for faculty in any discipline. You will outline your teaching, learning, and mentoring strategies for developing and presenting them to peer and reviewer audiences. This interactive workshop will be facilitated by faculty members who have navigated the promotion process at Mason.



Registration is required, please [sign up here](#).

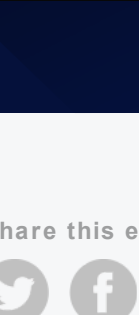
VARIOUS OPPORTUNITIES

MetroLab's 2nd Annual Student Cup



2ND ANNUAL STUDENT CUP
METROLAB NETWORK 2022 SUMMIT
APPLICATIONS ARE DUE BY 11:59 P.M. (EST) ON MARCH 1ST, 2022
metrolabnetwork.org/student-cup-2/

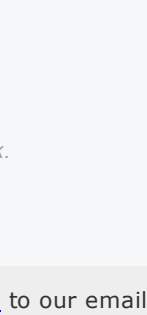
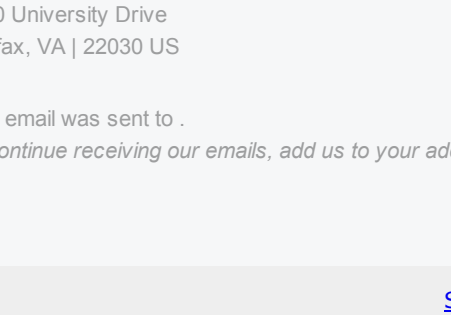
NSF Research Experiences for Undergraduates (REU) in Vehicular Edge Computing and Security (2022)



COMPUTER SCIENCE & ENGINEERING
UNIVERSITY OF NORTH TEXAS



Summer Research Experience for Undergraduate Students in **Vehicular Edge Computing and Security**



NSF-REU

University of North Texas' National Science Foundation funded Research Experience for Undergraduates

NOW ACCEPTING APPLICATIONS

Join a dynamic research team to participate in designing and experimenting autonomous vehicles, edge computing, and secure connected systems. Develop analytical and research skills.

RESEARCH AREAS IN VEHICULAR EDGE COMPUTING & SECURITY
2D & 3D sensor data fusion for object detection
Vehicular edge computing
Trustworthy inter-vehicle information sharing
Deep learning for autonomous vehicles

QUICK FACTS
Program dates: May 23 - July 29, 2022
\$6,000 stipend
Free housing
Round-trip travel support
Research projects with CSE faculty mentors

APPLY NOW!
Visit: www.cse.unt.edu/~song/REU/Apply

More info: www.cse.unt.edu/~song/REU/
Contact: cong.fu@unt.edu, 940-565-2341
gleng.yang@unt.edu, 940-565-4899

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING | computerscience.engineering.unt.edu

REU Application

REU Site: TaMaLe - Testing and Machine Learning for Context-Driven Systems: Research Experience for Undergraduates

The **REU Site: TaMaLe (Testing and Machine Learning for Context-Driven Systems)** is currently accepting applications for **Summer 2022**. We seek to provide undergraduate research students with opportunities to motivated students. No previous research experience is required. Students will work on exciting projects that focus on research problems to improve the reliability and security of context-driven systems such as mobile and web applications.

Participant Eligibility Requirements:

- Must be enrolled in an undergraduate program in Computer Science, or a related field.
- Must be an undergraduate in good standing
- Must be a US citizen or US permanent resident
- Must complete the on-line application including the brief essay questions.
- Must submit transcripts.
- Must ensure two references have submitted their letters of recommendation.

Accepted students will receive:

- The opportunity to work on exciting research.
- \$6,000 stipend (total) for 10 weeks.
- The opportunity to be part of program that has a strong emphasis on collaboration with other students.
- Pending: If the program is held in person, you will receive housing in UNT dorms. (We anticipate holding it on campus pending UNT approval due to COVID-19 protocols. Your safety is our top priority.)

Apply [here](#).

Thank you for your interest!

Dr. Renee Bryce and Dr. Chlan Tunc
Directors of the **TaMaLe** Research Experience for Undergraduates Site
Computer Science & Engineering
University of North Texas

FUNDING OPPORTUNITIES

Did you know that, as an IDIA faculty affiliate, you are eligible to:

Compete for [internally-funded IDIA projects](#)

Serve as [IDIA Advisory Council members](#)

Receive support for [IDIA relevant events](#)

Get Featured in our new Weekly: [IDIA Weekly Spotlight](#)

Become part of the [dynamic multidisciplinary faculty network](#) focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

SHARE WITH US

We are eager to hear from you! As we work with your colleges to compile updates on digital innovation-related research activities at Mason, we would love to hear about your research activities, awards, and recent publications. Please share any successes, concerns, or ideas with us at idiaz@gmu.edu

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