

LS-NSSA/MnDRIVE 2024 Summer Research Internship Scholar Application

Dear Applicant,

Thank you for your interest in our 2024 summer research internship program. The program represents a partnership between the Minnesota Discovery and Research Innovation Economy (MnDRIVE) initiative and the Louis Stokes North Star STEM Alliance to provide a **paid, 10-week** summer research experience to undergraduates. We have summer internship opportunities in three general research areas: 1) Global Food Ventures 2) Environment and 3) Brain Conditions.

The internship will officially run from June 10, 2024, to August 15, 2024. A mandatory half-day kick-off meeting and luncheon for all MnDRIVE interns and faculty will be on June 7, 2024.

Selected students will gain first-hand experience in scientific investigation in a dynamic, collaborative research environment. Students will be matched with MnDRIVE faculty, who will provide training and support. In addition to research, participants will engage in weekly workshops, create a research poster, and present their findings at the MnDRIVE Research Symposium on August 16, 2024. Participants will receive a \$5,000 stipend for their research and participation throughout the summer.

More information about the program and important dates can be found on our website: <https://northstarstem.org/events/mndrive-summer-internship>

Please read the following thoroughly before beginning to complete the online application.

NOTE: The deadline for applications is Monday, March 11, 2024 @ 5:00 PM (CST).

Recommended Qualifications:

- Have a GPA above 2.75
- Be fully committed to the research experience (i.e., not planning to hold a full-time job or enroll in a course)
- Completed some STEM coursework
- Excited and ready to learn!

Eligibility Requirements:

- Level 1 Louis Stokes North Star STEM Alliance scholar (check with your site coordinator regarding what Level scholar you are if you do not know)
- U.S. citizen or permanent resident
- In your 3rd or 4th year
- Not graduating in Spring 2024 or August 2024

Application materials:

1) Completed online application

2) Written materials

- Short Answer Responses (uploaded with this application)
- Personal Statement (uploaded with this application)

3) Unofficial transcript (uploaded with this application)

- Please name the file in the following format: Transcript_LastName_FirstName

4) Letter of Recommendation (emailed *by the recommender* to nssa@umn.edu by Monday, March 11 @ 11:59 PM (CST))

Applicants who submit a complete application by 11:59 (CST) on Monday, March 11, 2024 will be given preference to participate in this research program and with their top project choices. A letter of reference should be emailed by the writer of the letter to nssa@umn.edu. All letters of references must be submitted to LS-NSSA by Monday, March 11, 2024 @ 11:59 PM (CST) .

Important notes:

If you are not a Louis Stokes North Star STEM Alliance Level-1 Scholar, or have not applied to become one, please go to this website and complete the scholar's application for your undergraduate institution *before* applying for the summer internship opportunity: <https://northstarstem.org/applications-forms>

If you are uncertain about your status as a scholar, please go to this website and reach-out to the LSAMP coordinator for your undergraduate institution *before* applying for the summer internship opportunity: <https://northstarstem.org/about-us/alliance-partners>.

Guidelines for submitting written materials:

Short Answer Questions

Please answer the following questions in **150 words or less per question**:

1. We understand that students have a variety of commitments and engage in various activities outside of the classroom. Please discuss your typical involvement in extracurricular activities, family responsibilities, work, and/or community service.
2. What are your expectations of your MnDRIVE faculty mentor, lab mates, and the MnDRIVE/LS-NSSA research community during the 10 weeks of the MnDRIVE Summer Research Internship? How do you expect to contribute to the lab, team, and LS-NSSA community?

Note: Please name the file in the following format: ShortAnswer_LastName_FirstName

Personal Statement

In 500 words or less, submit a personal statement that addresses the following:

- Why you wish to participate in this research program and what you hope to gain through the experience – including any information you feel supports your request to participate (i.e., research

experiences, coursework, employment, internships).

- How to reach your career goals through graduate education or future employment.
- Indicates the faculty mentor you are interested in working with and why.

Note: Please name the file in the following format: PS_LastName_FirstName

Any questions, please email LS-NSSA (nssa@umn.edu).

To view the application in full prior to completing the online application, [click here](#) to download.

** Indicates required question*

1. Email *

2. Please indicate your citizenship status. (You must be a U.S. citizen or U.S. permanent resident to be eligible for this summer research opportunity).

Mark only one oval.

- I am a U.S. citizen or U.S. permanent resident
- I am neither a U.S. citizen or a U.S. permanent resident
- I do not wish to answer this question.

3. Are you are a Louis Stokes North Star STEM Alliance scholar? (You must be a LS-NSSA scholar to be eligible for this summer research opportunity).

Mark only one oval.

- Yes, I am a Louis Stokes North Star STEM Alliance scholar.
- No, but I have applied to become a Louis Stokes North Star STEM Alliance scholar.
- No, I am not a Louis Stokes North Star STEM Alliance scholar.
- I am uncertain if I am a Louis Stokes North Star STEM Alliance scholar.

Applicant Information

Please complete the applicant information section completely and to the best of your ability.

4. First name *

5. Last name *

6. Pronouns

Check all that apply.

She/Her/Hers

He/Him/His

They/Them/Theirs

Other: _____

7. Gender *

Mark only one oval.

Female

Male

Non-binary

Prefer not to answer.

8. Permanent mailing address (include street address, city, state, and zip code) *

9. Current mailing address (if different from permanent address)

10. Phone number *

11. Institution email address *

12. Personal email address

13. College or University you attend during the regular school year *

Mark only one oval.

- Augsburg University
- Bemidji State University
- Carleton College
- Century College
- Fond du Lac Tribal & Community College
- Leech Lake Tribal College
- Metropolitan State University
- Minneapolis College (MCTC)
- Minnesota State University - Mankato
- St. Cloud State University
- St. Olaf College
- University of Minnesota - Duluth
- University of Minnesota - Morris
- University of Minnesota - Rochester
- Other

14. If you chose Other in the previous question, please list your institution below.

15. Please check the ethnic group(s) with which you most identify: *

Check all that apply.

- African American
- Alaska Native/Aleut
- Asian American
- Mexican American
- Native American
- Caucasian
- Chicano
- Puerto Rican
- Other

16. If you chose Other, please list the ethnicity/ethnicities that you identify with the most below.

17. Are you a first generation college student? (First-generation means that you are the first in your family to attend college).

Mark only one oval.

- Yes
- No

18. All in-person projects take place at the U of M - Twin Cities. If chosen for an in-person or hybrid project, will you need on campus housing? (LS-NSSA provides a housing stipend for a scholars who need lodging for the summer, especially those who do not live in the Twin Cities area).

Mark only one oval.

Yes

No

Academic Information

Please complete the academic information section completely and to the best of your ability.

19. Are you an enrolled undergraduate student? *

Mark only one oval.

Yes

No

20. Current academic status as of the end of Spring 2024. (You must be in your 3rd or 4th year to be eligible for this summer research opportunity).

Mark only one oval.

- First year
- Second year/sophomore
- Third year/junior
- Fourth year/senior
- Fifth year
- Other

21. Anticipated number of credits completed by the end of Spring 2024. *

22. Major *

23. Minors or certifications, if any.

24. Current overall GPA *

25. Current major GPA *

26. Have you applied, or do you intend to apply, for graduation in May 2024 or August 2024? *

Mark only one oval.

Yes

No

27. Expected graduation date *

Research Experience

Please complete this research experience section to the best of your ability. Research experience is NOT required for the LS-NSSA/MnDRIVE research internship.

28. Have you had any research experience? *

Mark only one oval.

Yes

No

29. If yes, please briefly describe your previous research experience(s). If no, please skip this question.

30. Do you plan to apply to a graduate/advanced degree program? *

Mark only one oval.

- Yes
- No
- Maybe or not sure

31. Which of the following graduate/advanced degrees are you interested in? (check all that apply)

Check all that apply.

- MS/MA
- PhD
- MD
- Other
- Not sure

32. Do you have other grants or fellowships for Summer 2024 research? *

Mark only one oval.

- Yes
- No

33. Express your area(s) of research interest. (check all that apply) *

Check all that apply.

- Global Food Ventures
- Environment
- Brain Conditions

MnDRIVE Research Area Focus and Preferences

Go to this document: [MnDRIVE 2024 Projects](#)

Review the available internship projects for this summer. Notice that the projects are listed by research area. You can choose projects from different research areas.

After reviewing the projects, please list your top 3 projects below based on their PROJECT ID and Faculty Name. The Project ID is located at the top of each project (ex: BC-1, E-3).

You are not guaranteed your top choice.

34. Project Choice #1 (choose the correct Project ID) *

Mark only one oval.

- BC-1 Christine Conelea
- BC-2 Esther Brook-Magnuson
- BC-3 Geoffrey Ghose
- BC-4 Robert McGovern
- BC-5 Jacqueline Palmer
- BC-6 Alonso Guedes
- E-1 Romas Kazlauskas
- E-2 Satoshi Ishii
- E-3 Christian Lenhart
- E-4 Amy Kinsley
- E-5 Cara Santelli
- E-6 Emilie Snell-Rood
- GF-1 Bryan Punck
- GF-2 Devanshi Khokhani
- GF-3 Roberta O'Connor
- GF-4 Noelle Noyes
- GF-5 Maxim Cheeran

35. Project Choice #2 (choose the correct Project ID) *

Mark only one oval.

- BC-1 Christine Conelea
- BC-2 Esther Brook-Magnuson
- BC-3 Geoffrey Ghose
- BC-4 Robert McGovern
- BC-5 Jacqueline Palmer
- BC-6 Alonso Guedes
- E-1 Romas Kazlauskas
- E-2 Satoshi Ishii
- E-3 Christian Lenhart
- E-4 Amy Kinsley
- E-5 Cara Santelli
- E-6 Emilie Snell-Rood
- GF-1 Bryan Punck
- GF-2 Devanshi Khokhani
- GF-3 Roberta O'Connor
- GF-4 Noelle Noyes
- GF-5 Maxim Cheeran

36. Project Choice #3 (choose the correct Project ID) *

Mark only one oval.

- BC-1 Christine Conelea
- BC-2 Esther Brook-Magnuson
- BC-3 Geoffrey Ghose
- BC-4 Robert McGovern
- BC-5 Jacqueline Palmer
- BC-6 Alonso Guedes
- E-1 Romas Kazlauskas
- E-2 Satoshi Ishii
- E-3 Christian Lenhart
- E-4 Amy Kinsley
- E-5 Cara Santelli
- E-6 Emilie Snell-Rood
- GF-1 Bryan Punck
- GF-2 Devanshi Khokhani
- GF-3 Roberta O'Connor
- GF-4 Noelle Noyes
- GF-5 Maxim Cheeran

Application uploads

Please upload your short answer responses, personal statement, and unofficial transcript(s) below.

Short Answer Questions

Please answer the following questions in **150 words or less per question**:

1. We understand that students have a variety of commitments and engage in various activities outside of the classroom. Please discuss your typical involvement in extracurricular activities, family responsibilities, work, and/or community service.

2. What are your expectations of your MnDRIVE faculty mentor, lab mates, and the MnDRIVE/LS-NSSA research community during the 10 weeks of the MnDRIVE Summer Research Internship? How do you expect to contribute to the lab, team, and LS-NSSA community?

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In 500 words or less, submit a personal statement that addresses the following:

- Why you wish to participate in this research program and what you hope to gain through the experience - including any information you feel supports your request to participate (i.e., research experiences, coursework, employment, internships).
- How to reach your career goals through graduate education or future employment.
- Indicates the faculty mentor you are interested in working with and why.

37. Upload your short answer responses. *
- Please name the file in the following format: ShortAnswer_LastName_FirstName

Files submitted:

38. Upload your personal statement *
- Please name the file in the following format: PS_LastName_FirstName

Files submitted:

39. Upload your most recent unofficial transcript(s). Please name the file in the following format:
Transcript_LastName_FirstName

Files submitted:

40. Click agree if you understand that your letter of recommendation must be emailed from the recommender to LS-NSSA (nssa@umn.edu) by 11:59 PM (CST) on March 11, 2024.

Mark only one oval.

Agree

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