Big Data REU Site Summer 2022 Application Form

This is the form of our NSF-funded Big Data REU Site Summer 2022 Application (More at https://bigdatareu.umbc.edu). To receive full consideration, please submit your application by 03/01/2022. If you have any questions, please contact bigdatareu@umbc.edu. Thanks!

This form has four sections/pages (basic info, course info, research experience, additional info). You will be asked to upload CV, Personal Statement and Transcript, and provide information of two recommenders. You can edit your response later if you choose to "Send me a copy of my responses" in the end.

* Required

1. Email *

2. Full Name *

3. Home Institution (name of your current college/university/institute): *

4. Location of your home institution (city, state, and zipcode): *

5. Academic department (name of your home department/division): *

6. Major(s) *

7. Minor(s)/concentration(s) (if applicable)

_____

8. Your race and ethnicity *

Check all that apply.

- [ ] Asian
- [ ] Black
- [ ] Hispanic
- [ ] White
- [ ] Other: _____

9. Your gender *

Mark only one oval.

- ◯ Female
- ◯ Male
- ◯ Would rather not supply

10. Are you a US Citizen, US national, or permanent resident (green card holder)? This program can only support US Citizen, US national, or permanent residents to apply. *

Mark only one oval.

- ◯ Yes
- ◯ No

11. Are you a military veteran? *

Mark only one oval.

- Yes
- No

12. Do you have a disability? *

Mark only one oval.

- Yes
- No

13. Are you a first-generation college student (first in immediate family to attend college)? *

Mark only one oval.

- Yes
- No

14. This REU Site stresses the use of team work and collaboration with mentors throughout its program. Are you willing to participate actively in team work by asking for, giving, and receiving feedback from team members and mentors. *

Mark only one oval.

- Yes
- No

15. If selected for the short list of applicants, are you willing to supply a transcript of college courses and proof of U.S. citizenship or permanent residency to prove eligibility for the funding. *

Mark only one oval.

- ◯ Yes
- ◯ No

16. Which year you are in for your undergraduate program *

Mark only one oval.

- ◯ Freshman (1st year)
- ◯ Sophomore (2nd year)
- ◯ Junior (3rd year)
- ◯ Senior (4th year)
- ◯ Other: _____

17. SAT Score and Year Taken (if applicable)

_____

18. ACT Score and Year Taken (if applicable)

_____

Courses you have taken

19. Number of Credits Completed (including all credits anticipated to be completed by June) *

_____

20. Current GPA (on a 4.0 scale) *

21. Information on highest-level Programing course completed (Course Number and Title, Textbook Author and Title, Number of Credits, Semester and Year Taken, Your Grade) *

22. Information on highest-level Data Science or Statistics course completed (Course Number and Title, Textbook Author and Title, Number of Credits, Semester and Year Taken, Your Grade) *

23. Information on highest-level Mathematics course completed (Course Number and Title, Textbook Author and Title, Number of Credits, Semester and Year Taken, Your Grade) *

24. Information on highest-level one additional significant course completed in your major(s), minor(s), and/or application area(s) (Course Number and Title, Textbook Author and Title, Number of Credits, Semester and Year Taken, Your Grade) *

Previous Research Experience

25. In case you have prior research experience, please list briefly some information including title of project, duration, and supervisor's name and contact information. Write N/A if you do not have prior research experience. *

26. How many years of research experiences have you had? *

27. Research areas you have worked on *

Check all that apply.

- [ ] Big Data and/or Data Science
- [ ] Computer Science
- [ ] Mathematics
- [ ] Statistics
- [ ] High Performance Computing
- [ ] Computational Science
- [ ] N/A
- [ ] Other: _____

28. One or two program languages you are most familiar with *

Check all that apply.

- [ ] Python
- [ ] Java
- [ ] C
- [ ] C++
- [ ] C#
- [ ] R
- [ ] N/A
- [ ] Matlab
- [ ] Other: _____

Additional Info

29. How did you learn about this opportunity? *

Check all that apply.

- [ ] NSF REU Site webpage (https://www.nsf.gov/crssprgm/reu/)
- [ ] Google Search
- [ ] American mathematical society (AMS) webpage
- [ ] Direct email from your professor or your university
- [ ] Other: _____

30. CV *

    Files submitted:

31. Personal Statement: It should contain in approximately two to three pages (or about 1000 to 1500 words in comfortably readable font size and line spacing) information about (1) your background in computing, data science, mathematics and statistics (please be clear and specific about programming language/packages and say what you did with them); you may want to explain here also, if you have an unusual career path (such as via attending a community college or not starting college immediately after high school); (2) your interest in big data applications in science and engineering; (3) your previous research experiences (if any); and (4) your experience with or interest in team work (this can be in an academic or in an extracurricular setting, e.g., a campus club) *

    Files submitted:

32. Transcript *

    Files submitted:

33. Names and emails of two Recommendation Letter Writers. At least one letter, ideally both, should come from someone who can evaluate your research or course study performance. Ask your letter writers to send emails to bigdatareu@umbc.edu. Recommendation Letter should be named as StudentFirstName_StudentLastName_RecommenderLastName.pdf. *