**South Dakota State University**

**Promoting Leadership in Advanced-Research-Computing for INterdisciplinary Sectors 2021**

**(SDSU PLAINS REU 2021)**

**Application Instructions**

**Thank you for your interest in our REU Site. This REU is intended to take place on the campus of South Dakota State University in Brookings, South Dakota. However, due to the COVID-19 pandemic, we will monitor the situation closely.**

**The start date of the program is Wednesday, June 2, 2021, and the end date is Friday, August 6, 2021.**

Students who are interested in applying are asked to submit the following two items.

1. A completed application, which follows this instruction page. Save it as a single pdf file with the filename **REU2021\_Firstname\_Lastname-Application.pdf**.
2. A copy of your current transcript (unofficial transcript is acceptable for the application, but an official transcript is required prior to beginning the REU). Save it as a pdf with the filename **REU2021**\_**Firstname\_Lastname-Transcript.pdf**.

In addition, the PLAINS REU Site will review materials submitted on an applicant’s behalf provided by two professional references. Applicants are to ask two professional references to complete and submit the reference form, which is found on the SDSU PLAINS REU 2021 webpage. References are to submit this form directly to the REU Site.

Electronic submissions are encouraged and may be submitted to the following address.

SDSU.PLAINSREU@sdstate.edu

Alternatively, paper versions of the documents may be sent to:

SDSU PLAINS REU 2021

Attn: Professor Stephen Gent

Department of Mechanical Engineering

Crothers Engineering Hall 218, Box 2219
South Dakota State University

Brookings, SD 57007

**The application deadline for full consideration is March 8, 2021. Selected students will be notified via e-mail and/or telephone on or around March 21, 2021. The selection process is expected to be finalized by April 10, 2021.**

Should you have any questions, please feel free to contact Prof. Gent by email at Stephen.Gent@sdstate.edu or by telephone at 605.688.5337. Thank you for considering this opportunity!

**South Dakota State University**

**Promoting Leadership in Advanced-Research-Computing for INterdisciplinary Sectors 2021**

**(SDSU PLAINS REU 2021)**

**Application Form**

**Name:** First MI Last

|  |  |
| --- | --- |
| **Contact Information**Preferred Contact Email Address: Enter email address here. |  |
| Current Address: Permanent Address: Current Street Address Permanent Street AddressCurrent City, State, Zip Code Permanent City, State, Zip Code |  |  |
| Permanent Phone Number: Enter phone number here. |  |
| **I am a:**

|  |  |
| --- | --- |
| [ ]  U.S. Citizen |  |
| [ ]  Permanent Resident**My state of residency is:** Enter state here.**Of the three research topic areas, please indicate your top two personal preferences.*** Mathematics, Statistics & Computational Sciences (Math)
* HPC Cyberinfrastructure Development & Optimization (HPC)
* Engineered Systems (Engr.)
* Biological & Medical Sciences (Biol.)

|  |  |
| --- | --- |
| Prospective REU research areas: | Math, HPC, Engr, Biol. |
| Primary (the first choice): | Choose One |
| The second choice | Choose One |
|  |  |

 **Your Interest in Undergraduate Research** **How did you hear about this REU program?**[ ]  University or college website[ ]  National Science Foundation Website[ ]  Faculty Member from the REU site[ ]  Faculty member from my current university or college (if different from above)[ ]  Recruiting ad (flyer, email, poster, etc.)[ ]  Parent or relative[ ]  Friend[ ]  I was independently searching for an academic experience[ ]  Other Enter text here.**Academics****Current Education Classification**[ ]  Freshman[ ]  Sophomore[ ]  Junior[ ]  Senior[ ]  Other Enter text here.Current Major: MajorCurrent Minor (if applicable): MinorCumulative GPA: Enter cumulative GPA here.Major GPA: Enter major GPA here.Credit hours completed to date: Completed hoursExpected Graduation Date (MM/YYYY): MM/YYYYCollege/University You Currently Attend: Institution |  |

 |
| **List All Extracurricular Activities you have been involved with in your Undergraduate Education.**Enter response here.**List All Academic Awards and Honors.**Enter response here.**List Professional and Academic Association Memberships (indicate any offices held with dates, and dates of membership).**Enter response here.**List all Math, Computing and Technology Related Courses Taken to Date (indicate years enrolled).**Enter response here.**List all Computer Programming Languages and software familiarity.**Enter response here.**Have you had any co-op or internship experience?**[ ]  Yes[ ]  No**If you have had co-op or internship experience, please briefly describe below.**Enter response here.**If you have worked in collaboration with students or faculty (e.g., in a research laboratory), please briefly describe below.**Enter response here.**If you have been involved in a science fair or similar activity in K-12, please briefly describe your experience below.**Enter response here.**If selected for the REU program would you consider continuing your research during the academic year?**[ ]  Yes[ ]  No[ ]  Uncertain**If you have had prior formal REU experience please describe briefly. Please indicate the institution, dates, and nature of the work.**Enter response here.**Please indicate the number of formal REU experience that you have applied to prior to this year (summer 2020 or prior).**Enter response here.**Please indicate the number of formal REU experience that you have applied to or plan to apply to in summer 2021.**Enter response here.**Future Plans****I am considering attending graduate school.**[ ]  Strongly Agree[ ]  Agree[ ]  Uncertain[ ]  Disagree[ ]  Strongly Disagree**I want to work in industry after I graduate.**[ ]  Strongly Agree[ ]  Agree[ ]  Uncertain[ ]  Disagree[ ]  Strongly Disagree**I want to work in academia after I graduate.**[ ]  Strongly Agree[ ]  Agree[ ]  Uncertain[ ]  Disagree[ ]  Strongly Disagree**Have you enrolled in/taken any graduate level courses?**[ ]  Yes[ ]  No**If you are considering graduate school, what degrees are you most interested in pursuing?**[ ]  I am not considering graduate degrees at this time.[ ]  Master of Arts[ ]  Master of Science[ ]  Master of Business Administration (MBA)[ ]  Doctorate of Philosophy (Ph.D.)[ ]  Juris Doctorate (JD)[ ]  Medical Doctorate (MD)[ ]  Other Enter text here.**If you are considering graduate school, please list the programs you are considering (e.g. Computer Science, Bioinformatics, etc.)?**Enter response here.**If you are considering graduate school, please list the institutions you are considering (e.g. enter the university names).**Enter response here. |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **General Information****The information below is for descriptive informational purposes only and is not criteria for eligibility.****Are you the first person in your family to attend college?**[ ]  Yes[ ]  No[ ]  Uncertain**I have an immediate family member involved in research.**[ ]  Yes[ ]  No[ ]  Uncertain**I know adults (other than faculty at my college/university) who are involved in research.**[ ]  Yes[ ]  No[ ]  Uncertain**I have friends who are involved in research.**[ ]  Yes[ ]  No[ ]  Uncertain**When were you first interested in computing/technology?**[ ]  Elementary School[ ]  Middle School[ ]  Junior High School[ ]  High School[ ]  College**Personal Information****This information is used only for descriptive information purposes and is not criteria for eligibility.****What ethnicity or ethnicities do you identify yourself (select all that apply)?**[ ]  African American[ ]  Asian[ ]  Hispanic/Latino[ ]  Native American/American Indian[ ]  Pacific Islander[ ]  Caucasian (white)[ ]  Other Enter text here.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **Do you have a documented disability (select all that apply)?**[ ]  Hearing Impairment[ ]  Mobility or Orthopedic Impairment[ ]  Other Enter text here.[ ]  None**Are you a veteran?**[ ]  Yes[ ]  No |  |  |

**Date of Birth:** MM/DD/YYYY**Gender:** |  |
| [ ]  Female[ ]  Male[ ]  Prefer not to answer |  |

 |
|  |  |
|  |
|  |  |
|  |
|  |  |  |

|  |
| --- |
|  |
|  |  |  |
|  |  |  |
|  |  |  |