TO REU Principal Investigators and Program Evaluators:

To work toward a systematic means of collecting and reporting on evaluation data on the REU programs, we are collecting information on the evaluation tools currently in use. We would appreciate your taking time to complete this survey; the survey will take about 15-25 minutes (depending on the number and size of evaluation instruments or tools you use), assuming that the person completing this survey (you or your evaluator) is familiar with the current instrument(s) your program uses for collecting student data, and can refer to them while completing this survey. We ask that you email to us all instruments that you currently use and along with this survey. We will then compile a report on the types of data being collected, as well as a summary of the indicators and measurements currently used.

The final step will be to develop draft evaluation instruments, at both the REU undergraduate and graduate levels, for review by PI's later in the year. The ultimate goal is to develop an evaluation tool with many options to choose from to be available for tailoring for all REU programs.

Thank you for your assistance in this important collaboration.

You may type your answers directly into this form. Please email your completed survey along with all instruments to cla18@humboldt.edu.

If you have any questions about this survey, please contact:

Chris Aberson, Ph.D., Associate Professor, Department of Psychology, Humboldt State University, cla18@humboldt.edu, 707-826-3670

REU Program Information

1. Principal Investigator Name(s):

Yu Zhang

2. Person completing this survey:

Name:
Yu Zhang
Title:
Assistant Professor
E-mail:
yzhang@cs.trinity.edu
Phone:
210-999-7399

3. Does your REU program have an evaluator who is not listed in Question 2?

Yes	☒
No	☐

If yes, please provide contact information:

Name:
Ingrid Russell
Title:
Professor
E-mail:
irussell@hardford.edu
Phone:
860-768-4191
Professional background (e.g., graduate student, educational researcher, etc.):
Professor
Credentials (degree):
Ph.D

4. Name of REU Program

Multi-Agent Simulation for Social Systems

5. Primary underserved student groups targeted [check all that apply]:

African American	☒
Asian American / Pacific Islander	☒
American Indian /Alaska Native	☒
Hispanic/Latino	☒
Physical or learning disability	☒
Low socioeconomic status	☒
First generation college students	☒
Women	☒
Other (please specify):	

6. What are the goals of your REU program? Please list all goals and indicate whether you consider these primary or secondary goals.

	Program Goal (Enter Below)	Primary?	Secondary?
1.	Attracting students to computer research in their early career and increasing interest in graduate school.	☒	☐
2.	Enhancing the computer science education in South Texas.	☒	☐
3.	Traning and enriching students' skills comprehensively.	☒	☐
4.	Working with students on full-time base.	☐	☒
5.		☐	☐
6.		☐	☐
7.		☐	☐
8.		☐	☐
9.		☐	☐
10.		☐	☐

7. What are the desired student outcomes of your REU program? Please list all outcomes and indicate whether you consider these primary or secondary student outcomes.

	Student Outcome (Enter Below)	Primary?	Secondary?
1.	Technical report	☒	☐
2.	Technical poster	☒	☐
3.	Conference paper	☐	☒
4.	Presentation skill	☒	☐
5.	Research method	☒	☐
6.	Team work method	☐	☒
7.		☐	☐
8.		☐	☐
9.		☐	☐
10.		☐	☐

8. Provide the following information for **each evaluation instrument or tool** you are currently using. When returning the survey, we ask that you include each instrument / tool, along with relevant rubrics. For example, if your program uses student journals with specific prompts or questions, and you use a rubric to rate or assess writing content, please attach the journal questions and related rubric. For student focus groups, please provide focus group questions and protocol, etc.

Instrument / Evaluation Tool #1

How is this instrument/evaluation tool used (check all that apply)?

At the beginning of REU program enrollment, but before beginning program	☐
As a pre-test (e.g., first day of the program)	☐
As a post-test (e.g., last day of the program)	☒
Mid-program Please indicate how often:	☐
Upon student graduation	☐
Following student graduation Please indicate how often:	☐
In some other manner Please specify:	☐

For which program goal(s) listed under #6 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

4

For which student outcome(s) listed under #7 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

5

Please provide citation(s) for source(s) of instrument/tool, if known (i.e., if the items come from established sources please note).

Our survey questions come from a couple of SIGCSE papers including the one published by Teresa Dalberg in 2006.

Name of file for this instrument (please attach when returning your survey):

Self-Efficacy.doc

Instrument / Evaluation Tool #2

How is this instrument/evaluation tool used (check all that apply)?

At the beginning of REU program enrollment, but before beginning program	☐
As a pre-test (e.g., first day of the program)	☐
As a post-test (e.g., last day of the program)	☒
Mid-program Please indicate how often:	☐
Upon student graduation	☐
Following student graduation Please indicate how often:	☐
In some other manner Please specify:	☐

For which program goal(s) listed under #6 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

3

For which student outcome(s) listed under #7 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

5

Please provide citation(s) for source(s) of instrument/tool, if known (i.e., if the items come from established sources please note).

Our survey questions come from a couple of SIGCSE papers including the one published by Teresa Dalberg in 2006.

Name of file for this instrument (please attach when returning your survey):

ProgramAssessment.doc

Instrument / Evaluation Tool #3

How is this instrument/evaluation tool used (check all that apply)?

At the beginning of REU program enrollment, but before beginning program	☐
As a pre-test (e.g., first day of the program)	☐
As a post-test (e.g., last day of the program)	☒
Mid-program Please indicate how often:	☐
Upon student graduation	☐
Following student graduation Please indicate how often:	☐
In some other manner Please specify:	☐

For which program goal(s) listed under #6 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

3

For which student outcome(s) listed under #7 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

5

Please provide citation(s) for source(s) of instrument/tool, if known (i.e., if the items come from established sources please note).

Our survey questions come from a couple of SIGCSE papers including the one published by Teresa Dalberg in 2006.

Name of file for this instrument (please attach when returning your survey):

ExitInterview.doc

Instrument / Evaluation Tool #4

How is this instrument/evaluation tool used (check all that apply)?

At the beginning of REU program enrollment, but before beginning program	☐
As a pre-test (e.g., first day of the program)	☐
As a post-test (e.g., last day of the program)	☒
Mid-program Please indicate how often:	☐
Upon student graduation	☐
Following student graduation Please indicate how often:	☐
In some other manner Please specify:	☐

For which program goal(s) listed under #6 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

3

For which student outcome(s) listed under #7 does this instrument / evaluation tool provide information?

Please refer to the program goals by number:

5

Please provide citation(s) for source(s) of instrument/tool, if known (i.e., if the items come from established sources please note).

Our survey questions come from a couple of SIGCSE papers including the one published by Teresa Dalberg in 2006.

Name of file for this instrument (please attach when returning your survey):

FacultySurvey.doc

9. Please indicate, using the scale below your satisfaction with the information provided by the following categories of instrument questions.

Domain	Very Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Very Dissatisfied	Not Applicable
Demographic questions	☒	☐	☐	☐	☐
Reasons for applying to the REU program	☒	☐	☐	☐	☐
Expectations for their REU experience	☒	☐	☐	☐	☐
Level of experience on various course/program elements	☐	☒	☐	☐	☐
Perceptions about level of knowledge relating to various course/program elements	☐	☒	☐	☐	☐
Self efficacy questions (confidence and perceived competency) about skills relating to various course/program elements	☒	☐	☐	☐	☐
Learning style questions	☒	☐	☐	☐	☐
Coping style questions	☒	☐	☐	☐	☐
Science attitude questions. Particular to field of (please specify field):	☒	☐	☐	☐	☐
Research attitude questions	☒	☐	☐	☐	☐
Research career attitude questions	☒	☐	☐	☐	☐
Perceptions of gains in learning in the various course/program elements	☒	☐	☐	☐	☐
Satisfaction with various course/program elements	☐	☒	☐	☐	☐
Perceived strengths and weaknesses of the REU experience	☐	☒	☐	☐	☐
Suggestions for improving the REU program	☒	☐	☐	☐	☐
Usefulness of experience and skills gained from REU participation in helping student get into a graduate program	☒	☐	☐	☐	☐
Extent to which REU experience and skills gained helped student make the transition from undergraduate to graduate studies	☒	☐	☐	☐	☐
Other domain (Please Specify)	☐	☐	☐	☐	☐
Other domain (Please Specify)	☐	☐	☐	☐	☐
Other domain (Please Specify)	☐	☐	☐	☐	☐

10. If there domains that you would like to assess, but cannot find or develop an assessment method to your satisfaction, please describe below:

If they can apply the experience to research project in their own institution.

11. What types of data summaries do you find to be useful in reporting your program evaluation information? Please provide examples or suggestions of how you report your evaluation data:

Student Evaluation Outcomes (Pre and Post the program)

12. Which of the following activities are offered to students participating in your program? Please check all that apply and whether they are required or optional

Activity	Yes, required	Yes, optional
Summer bridge / camp	☐	☒
Research faculty mentoring	☒	☐
Internships	☐	☒
Learning communities	☒	☐
Tutoring	☒	☐
Stipends	☒	☐
Service learning	☐	☒
Some other activity (Please Specify): Communication skills: professional development, presentation skill, and poster skill.	☒	☐
Some other activity (Please Specify): Application to graduate school.	☒	☐

Thank you for your completion of this survey.

Please email your completed survey along with all instruments used in your evaluation of student outcomes to Chris Aberson at cla18@humboldt.edu.

If you have additional comments please enter them below (or included them in your email).

Additional Comments: