

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):

Michel Cukier & Paige Smith

2. Person completing this survey:

Name:

Paige Smith

Title:

Director, Women in Engineering

E-mail:

pesmith@umd.edu

Phone:

301-405-3931

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

Yes

No

If yes, please provide contact information:

Name:

Title:

E-mail:

Phone:

Professional background (e.g., graduate student, educational researcher, etc.):

Credentials (degree):

4. Name of REU Program

Computer Security Scholars REU

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

African American	<input checked="" type="checkbox"/>
Asian American / Pacific Islander	<input type="checkbox"/>
American Indian /Alaska Native	<input type="checkbox"/>
Hispanic/Latino	<input type="checkbox"/>
Physical or learning disability	<input type="checkbox"/>
Low socioeconomic status	<input type="checkbox"/>
First generation college students	<input type="checkbox"/>
Women	<input checked="" type="checkbox"/>
Other (please specify):	
<input type="text"/>	

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.	To introduce students in STEM fields to research in computer security in a comfortable environment from which they will gain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	Provide high-quality research experiences in the field of Provide high-quality research experiences in the field of computer security	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	Contribute to Scholars' professional development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Encourage Scholars to pursue graduate degrees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Introduce CS Scholars to mentors and role models	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	To create an enhanced team experience within the field of computer security (where training in teamwork topics will be provided)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	To provide inoculation against the sometimes "chilly climate" of STEM fields (by participating in a project that provides an experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.	Have the CS Scholars serve as role models to younger students	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

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. Increased confidence in conducting research	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Increased confidence in their academic major through the participation in experiential learning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Increased committment to STEM field	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Future enrollment in a STEM graduate program	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="checkbox"/>
9.	<input type="checkbox"/>	<input type="checkbox"/>
10.	<input type="checkbox"/>	<input type="checkbox"/>

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	<input type="checkbox"/>
As a pre-test (e.g., first day of the program)	<input type="checkbox"/>
As a post-test (e.g., last day of the program)	<input type="checkbox"/>
Mid-program Please indicate how often: <input type="text" value="once"/>	<input checked="" type="checkbox"/>
Upon student graduation	<input type="checkbox"/>
Following student graduation Please indicate how often: <input type="text"/>	<input type="checkbox"/>
In some other manner Please specify: <input type="text"/>	<input type="checkbox"/>

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

Please refer to the program goals by number:

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

Please refer to the program goals by number:

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

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

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	<input type="checkbox"/>
As a pre-test (e.g., first day of the program)	<input type="checkbox"/>
As a post-test (e.g., last day of the program)	<input type="checkbox"/>
Mid-program Please indicate how often: <input type="text" value="towards the end of the program"/>	<input checked="" type="checkbox"/>
Upon student graduation	<input type="checkbox"/>
Following student graduation Please indicate how often: <input type="text"/>	<input type="checkbox"/>
In some other manner Please specify: <input type="text"/>	<input type="checkbox"/>

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

Please refer to the program goals by number:

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

Please refer to the program goals by number:

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

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

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	<input type="checkbox"/>
As a pre-test (e.g., first day of the program)	<input type="checkbox"/>
As a post-test (e.g., last day of the program)	<input checked="" type="checkbox"/>
Mid-program Please indicate how often: <input type="text"/>	<input type="checkbox"/>
Upon student graduation	<input type="checkbox"/>
Following student graduation Please indicate how often: <input type="text"/>	<input type="checkbox"/>
In some other manner Please specify: <input type="text"/>	<input type="checkbox"/>

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

Please refer to the program goals by number:

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

Please refer to the program goals by number:

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

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

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	<input type="checkbox"/>
As a pre-test (e.g., first day of the program)	<input type="checkbox"/>
As a post-test (e.g., last day of the program)	<input type="checkbox"/>
Mid-program Please indicate how often: <input type="text"/>	<input type="checkbox"/>
Upon student graduation	<input type="checkbox"/>
Following student graduation Please indicate how often: <input type="text"/>	<input type="checkbox"/>
In some other manner Please specify: <input type="text"/>	<input type="checkbox"/>

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

Please refer to the program goals by number:

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

Please refer to the program goals by number:

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

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

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reasons for applying to the REU program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Expectations for their REU experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of experience on various course/program elements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perceptions about level of knowledge relating to various course/program elements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self efficacy questions (confidence and perceived competency) about skills relating to various course/program elements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Learning style questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coping style questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Science attitude questions. Particular to field of (please specify field): <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research attitude questions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research career attitude questions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perceptions of gains in learning in the various course/program elements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satisfaction with various course/program elements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perceived strengths and weaknesses of the REU experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suggestions for improving the REU program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Usefulness of experience and skills gained from REU participation in helping student get into a graduate program	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extent to which REU experience and skills gained helped student make the transition from undergraduate to graduate studies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other domain (Please Specify) <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other domain (Please Specify) <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other domain (Please Specify) <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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:

averages and std deviations, lists commonly reported themes

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	<input type="checkbox"/>	<input type="checkbox"/>
Research faculty mentoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Internships	<input type="checkbox"/>	<input type="checkbox"/>
Learning communities	<input type="checkbox"/>	<input type="checkbox"/>
Tutoring	<input type="checkbox"/>	<input type="checkbox"/>
Stipends	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service learning	<input type="checkbox"/>	<input type="checkbox"/>
Some other activity (Please Specify):	<input checked="" type="checkbox"/>	<input type="checkbox"/>
book club		
Some other activity (Please Specify):	<input checked="" type="checkbox"/>	<input type="checkbox"/>
participation in 2 outreach activities		

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 Abersson at cla18@humboldt.edu.

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

Additional Comments: