1. REU Pre-survey

1. Please enter your email address.

2. Please check all that apply to you PRIOR to the start of the Summer REU program at UNC Charlotte.

- 1. In the last two years I have completed a research methods course.
- 2. In the past two years I have completed a statistics course.
- 3. In the last two years I have completed a computing course.
- 4. In the last two years I have been involved in a research project.
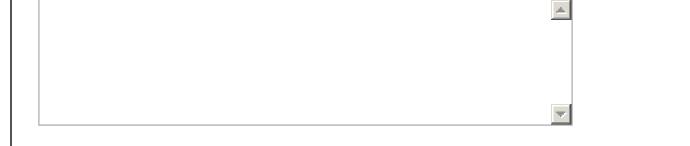- 5. I have been required to make presentations in the last 2 years.

3. Please check all that apply to you.

- 1. I have any immediate family member involved in research.
- 2. I have other family involved in research.
- 3. I know adults who are involved in research.
- 4. I have friends involved in research.

4. Please rate how much you know about the following:

	Substantial amount	Fair amount	Satisfactory	Little	Nothing
1. Science of design					
2. Research proposal write up					
3. Research presentation preparation					
4. Research presentation					
5. Application toGraduate school					
6. Technical & scientific writing tools					
7. Ethics in science					
8. Authorship citations					
9. Project management					
10. Gantt chart design					
11. Research process					
12. Finding research Articles					
13. Poster design					
14. Conference participation					

5. How long have you been interested in research? Describe any particular event that initiated your interest.

6. Please describe the types of research you believe computing researchers do.

7. What are the various fields in computing research you have been exposed to? (Please check all that apply.)

- Artificial Intelligence/Robotics
- Hardware/Architecture
- Numerical Analysis/Scientific Computing
- Programming Languages/Compilers
- OS/Networks
- Software Engineering
- Theory/Algorithms
- Graphics/Human Interfaces
- Databases/Information Systems

8. When were you first interested in computing?

- Elementary school
- Middle school
- High school
- College
- Other (please specify)

9. Describe any particular event that initiated your interest in computing:

[text box]

10. Please rank the importance of each of the following factors in your decision to pursue computing interests.

	Most important	Important	Slightly important	Not at all important
A teacher encouraged me.				
I am good at math and science.				
A relative is in computing/IT.				
A friend is in computing/IT.				
Computing/IT is enjoyable and interesting.				
Computing/IT affords many career opportunities.				
I like the idea of being a computer scientist/IT professional.				
Computing/IT is challenging.				
Computing/IT jobs pay well.				
My work experience led me to choose to study computing/IT.				
My employer encouraged me.				

11. Are there any other factors that were important to your decision to pursue your interests in computing/IT?

[text box]

12. Have you ever been involved in an extracurricular activity that emphasized computing/IT? (Please check all that apply.)

- é   IEEE
- é   ACM/AITP
- é   Society of Women Engineers
- é   Women in Science and Engineering
- é   Black Data Processors Association

é   Computing Research Association

é   Women in Computer Science Club

é   Computing/IT Graduate Student Association

é   Other (please specify)

[   ]

13. What types of interaction do you have with faculty in your department? (check all that apply)

é   A faculty member has advised me about what courses to take.

é   A faculty member has advised me on a research project.

é   A faculty member has advised me about a career decision.

é   A faculty member has about graduate school.

é   I have had no interaction with faculty outside of courses.

é   Other (please explain)

[   ]

14. What level of contact do you have with the faculty in your department?

| No contact | Once a semester | Once a month | Every other week | At least once a week |

15. I expect the REU experience to:

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree	N/A
1. To be challenging and fun.							
2. To provide me with faculty mentorship.							
3. To help me better understand how to do research.							
4. To help me better understand how to use statistics.							
5. To teach me about several major research approaches (e.g. experimental, survey, simulation).							
6. To encourage me to pursue my own interests.							
7. To connect me with students like myself.							
8. To connect me to faculty who are helpful.							
9. Improve my GPA.							
10. Help me decide if the field of computing is right for me.							

16. Please describe any additional expectations that you have in participating in

the REU program.

17. The REU experience will give me the chance to:

	Stongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1. Get paid to work on something that is related to my interests	⌵	⌵	⌵	⌵	⌵	⌵
2. Work with other women who are interested in computing	⌵	⌵	⌵	⌵	⌵	⌵
3. Work with other minorities who are interested in computing	⌵	⌵	⌵	⌵	⌵	⌵
4. Explore whether research and graduate school may be the right path for me	⌵	⌵	⌵	⌵	⌵	⌵
5. Gain exposure to research literature in my field	⌵	⌵	⌵	⌵	⌵	⌵

18. Academic

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1. I am confident in my ability to discuss computing research findings.	⌵	⌵	⌵	⌵	⌵	⌵
2. I enjoy reading research studies in computing literature.	⌵	⌵	⌵	⌵	⌵	⌵
3. I am confident in my ability to evaluate research findings in terms of their application to computing.	⌵	⌵	⌵	⌵	⌵	⌵
4. I am confident in my ability to evaluate the quality of a computing research study.	⌵	⌵	⌵	⌵	⌵	⌵
5. I am confident in my ability to design a computing research study.	⌵	⌵	⌵	⌵	⌵	⌵
6. I think learning to do research is enjoyable.	⌵	⌵	⌵	⌵	⌵	⌵
7. I find research to be challenging and exciting.	⌵	⌵	⌵	⌵	⌵	⌵
8. I am confident in my ability to understand computing research.	⌵	⌵	⌵	⌵	⌵	⌵
9. I am confident in my ability to apply statistics to computing research.	⌵	⌵	⌵	⌵	⌵	⌵
10. I am confident in my knowledge of computing research methods.	⌵	⌵	⌵	⌵	⌵	⌵
11. I am confident in my ability to apply various methods to computing research.	⌵	⌵	⌵	⌵	⌵	⌵
12. I am confident in mry ability to develop computing research questions which are interesting and researchable.	⌵	⌵	⌵	⌵	⌵	⌵
13. I am easily frustrated when doing research.	⌵	⌵	⌵	⌵	⌵	⌵

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
14. I am confident in my ability to write-up research for publication in a scientific journal.						
15. I am confident in my ability to present research findings.						

19. Please indicate your level of agreement with the following statements.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
I feel like I am part of my computing department.						
I feel like I "fit" in the field of computing/IT.						
Someone like me can succeed in a computing/IT career.						
I can relate to the people around me in my extracurricular activities.						
I can cope with being the only person of my race/ethnicity/gender/ability in a class.						

20. Please indicate your level of agreement with the following statements.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
I will succeed in my science courses.						
I will succeed in my programming courses.						
I will succeed in my math courses.						
Doing well in math will enhance my career/job possibilities.						
A degree in computing/IT will allow me to obtain a well paying job.						
I will be treated fairly on the job, that is, I expect to be given the same opportunities for pay raises and promotions as my fellow coworkers in computing/IT.						
I can cope with not doing well on a test.						
A degree in computing/IT will give me the lifestyle that I want.						
Doing math will increase my sense of self-worth.						

21. Career Aspirations

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1. I place a high value on the role of research in my future career.						
2. Participating in research during graduate school is not a major priority for me.						
3. Developing research skills is an important part of my career goals.						
4. I would not enjoy working on a research project.						
5. I would enjoy a research oriented job or a job						

which has some element of research in it.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
6. I believe that my level of preparation for employment was enhanced by my REU project.						

22. Think about your long term academic and career goals and plans, and rate each item below.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
I would like to obtain a Master's degree in computing/IT.						
I would like to obtain a PhD in computing/IT.						
I would like to attend graduate school in another field.						
I would like to obtain an MBA.						
I would like to work before going to graduate school.						
I am not interested in graduate school.						

23. Please rate how much you agree with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
I plan to stay in the field of computing long term.						
I believe the field of computing requires a lot of creativity.						
I feel that my high school computing/IT program prepared me for the challenges of my college computing/IT program.						

24. Value of Computing Research

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
1. Research conducted in computing is of little value to society.						
2. Researchers in computing should focus on research which can be used to improve the lives of others.						
3. Most research in computing is unnecessary.						
4. Research in computing is important for identifying problems and solutions of value to society.						

25. Please rate how much you agree with each statement.

	Strongly Agree	Moderately Agree	Slightly Agree	Slightly Disagree	Moderately Disagree	Strongly Disagree
I can make friends with people from different backgrounds and/or values.						

I can cope with friends' disapproval of my chosen major.					
I can approach faculty or staff to get assistance.					
I can succeed in a computing/IT curriculum while not having to give up participation in my outside interests.					
I am committed to applying computing/IT to benefit our society.					

26. If I were having difficulties with one of my professors, I would:

	Always	Often	Usually	Sometimes	Never
Talk to a friend about it.					
Talk to the professor about it.					
Talk to my advisor about it.					
Try to switch sections.					
Do nothing.					

27. If I were on a student team and having difficulties with one or more of my fellow team members, I would:

	Always	Often	Usually	Sometimes	Never
Talk to other members of my team.					
Talk to classmates who aren't on my team.					
Try to switch teams.					
Talk to course professor or TA about rectifying the problem.					

28. If I have discovered that I have performed poorly on an exam in a class that is critical to my major, I would:

	Always	Often	Usually	Sometimes	Never
Talk to a friend about it.					
Talk to the professor about it.					
Talk to my advisor.					
Drop the course.					
Do nothing.					

29. What concerns do you have about participating in the REU?

30. What do you most hope to gain from your participation in the REU?

31. Please tell us about your interest in the STARS Alliance (a program that provides students with professional development, mentoring, and outreach and research opportunities). For more information about the STARS Alliance, please see the website: http://www.starsalliance.org/ .

32. Any additional comments and suggestions are welcome below.

33. Gender

- Female
- Male
- Prefer not to specify.

34. Age

35. Ethnic identity: please check the one that best describes your ethnic identity.

- Asian or Asian America, including Chinese, Japanese and others
- Black or African American
- Hispanic or Latino, including Mexican American, Central American, and others
- White, Caucasian, Anglo, European American; not Hispanic
- American Indian/Native American
- Alaska Native
- Native Hawaiian
- Pacific Islander
- Prefer not to specify
- Other (please specify)

36. Which university/college do you attend?

37. Where were you immediately before starting at this REU program?

- High school
- 4 year college
- Vocational/technical college
- 2 year college
- Military
- Working full time

38. Please choose the type of degree you are currently seeking.

- Associates
- Bachelors
- Masters
- PhD

39. Please indicate the year that you are currently in during your studies.

- First
- Second
- Third
- Fourth
- Fifth

40. What is your expected graduation date?

41. Please choose your major:

- Computing
- Computer Engineering
- Computer Science
- Electrical Engineering
- Information Technology
- Information Science
- Software and Information Systems
- Other (please specify)

[   ]

42. Second major (if applicable):

[   ]

43. Current cummulative GPA:

[   ]

44. Current GPA in major:

[   ]

45. When you were an incoming first year student, what were you considering as a possible major?

- I was considering computing/IT related fields as possible majors.
- I was undecided.
- I was not considering computing/IT related majors. I was considering majoring in:

[   ]

46. At the present time, how confident are you that you will graduate with your chosen computing/IT major?

- Not at all confident: I am already planning to change my major.
- Not very confident: it is highly likely that I will change my major.
- There's about a 50% chance that I'll change my major.
- I'm fairly confident that I will keep my current choice as my major.
- I'm very confident that I will keep my current choice as my major.

47. At the present time, how confident are you that you will complete any degree (any major) from your current institution?

⊙ Not at all confident: I am already planning to change my major.

⊙ Not very confident: it is highly likely that I will change my major.

⊙ There's about a 50% chance that I'll change my major.

⊙ I'm failry confident that I will keep my current choice as my major.

⊙ I'm very confident that I will keep my current choice as my major.

48. At the present, are you exploring other possible majors for your university degree?

⊙ No

⊙ Yes (please specify):

[   ]

Thank you for completing the REU Site survey. Your responses will help us improve the program for you and for future years! Remember that if you have not completed the survey, you can come back and complete it again later, as long as you use the same computer.