

Educational Technology - Summer 2018

Survey Questions

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1. General Questions

Please answer below questions?

Age:

Sex:

Which category describes you best in the field of computer science?

- Student
- University professor, Staff, or school teacher
- Employer

2. Students

1. What is your major? Please specify:
2. What is your highest degree level?
 - No degree
 - Bachelor's degree
 - Post-Bachelors
 - Master's degree
 - Doctoral
 - Professional certificate
3. What year are you in?
 - Freshman
 - Sophomore
 - Junior
 - Senior
 - Other, Please specify:
4. Are you planning to continue your studies at higher level/ graduate levels?
 - Yes
 - No
 - N/A

5. If you wanted to start your studies, would you choose another major? If YES, please specify a couple of reasons:
6. What is your goal of studying in your major? Please select all that applies.
 - ☐ I am very interested.
 - ☐ Find a good job.
 - ☐ Receiving high income in future.
 - ☐ My friends and families encouraged me to study in this field.
 - ☐ High demand in today's technology to accept computer scientists.
 - ☐ Other, please specify:
7. What technical skills you expect to learn during your studies? Select all that applies
 - ☐ Programming
 - ☐ Algorithms
 - ☐ Data structure
 - ☐ Software architecture
 - ☐ Artificial Intelligence and Machine Learning
 - ☐ Other, please specify:
8. Among your above answers, what would you select as the most important skills you would like to learn?
 - Programming
 - Algorithms
 - Data structure
 - Software architecture
 - Artificial Intelligence and Machine Learning
 - Other, please specify:
9. What fields you prefer to work? scale from 1 to 7 (1 is the most preference, 7 is the least preference)

Categories	1	2	3	4	5	6	7
Science							
Health							
Business							
Government							
Education							
Law							
Security							

10. What do you expect to be your income range right after graduation?

- below \$30K
- \$30K - \$40K
- \$40K - \$50K
- \$50K - \$60K
- \$60K - \$70K
- \$70K - \$80K
- \$80K - \$90K
- \$90K - \$100K
- above &100K

11. What would be the transition time from your graduation and finding a job?
Please use 0 if you already have a job.

12. How well you like your school?

- I am enthusiastic about it
- I like it
- I am more or less neutral about it
- I don't like it

13. Would you please shortly describe a couple of reasons that you like or dislike your school?

Thank You!

3. Universities/Schools (Professors, Staff, Teachers)

1. What is your role?

- Professor
- Teacher
- School/University Staff
- Other, please specify:

2. In your opinion, what is an important item for the university?

- University Ranking
- Number of graduates
- The number of ongoing research
- The amount of receiving the research fundings
- The number of students register in our program

3. What motivates you to continue being in your current role?

- Salary
- Research
- Improve technology-industry
- Other, Please specify.

4. why computer science or software engineering is an important major?

Item	Not at all	Unimportant	Neutral	Important	Very important
It is useful in all other fields.					
It is the most demanding major.					
Many students register in this field.					
There is a rapid growth in technology-based jobs in industry.					

5. How students can be prepared to find a decent job after school? Please specify 2-3 items.
6. What is the emphasis of your school?
7. In your opinion, what are the important topics for students to learn during their studies? Please rank from 1 to 5 (1 is the highest rank and 5 is the lowest).

Item	1	2	3	4	5
Programming:					
Theories in computer science theories:					
Research:					
Prepare them for career					
or job interview:					

8. What are the school emphasis? 1 means very strong Emphasis, and 5 means very weak emphasis.
 - Developing academic, scholars, and intellectual qualities
 - Critical, evaluative, and analytical thinking
 - Human diversity
 - Technical skills (e.g. programming)
 - Occupation competences
 - Accepting top students only
 - Receive higher rankings
 - Provide collaborative skills and good relationship with other students
 - Career fairs and internships

4. Industry

1. What is your position level:
 - Developer
 - Management
 - Director/VP
 - C-level

- Other, Please specify:
2. How long you have been in this organization?
- less than 1 year
 - 1-3 years
 - 4-6 years
 - 7-9 years
 - 10 years or more
3. Which category your company goes into:
- Banking
 - Marketing
 - Tele communication
 - Law
 - Health/Healthcare
 - Government
 - Security
 - Start-ups
4. What the employers expect from fresh graduates? (rank from 1 to 8 question)
- Knowledge:
 - Technical Skills:
 - Attitude:
 - Experience/Internships:
 - University they graduated:
 - grades:
 - Curriculum:
 - degree level:
5. Please rank your expectation from your employees's **knowledge** ? (rank from 1 to 8 question)
- Data structure:
 - Algorithms:

- Database:
 - Operating System
 - Machine Learning and AI:
6. Please rank your expectation from your employees's **Skills** ? (rank from 1 to 8 question)
- Multiple Programming languages:
 - Object-orientate design:
 - Coding:
 - Fast-learning
 - Analytical thinking
 - Presentation skills:
 - Collaboration and team-work
 - Communication
7. Please rank your expectation from your employees's **Attitude** ? (rank from 1 to 8 question)
- Self-motivated
 - Self-Discipline
 - Commitment
8. What are the benefits to hire a new graduate? Please specify 2-3 reasons.
9. What are the disadvantages, if any, to hire a new graduate? Please specify 2-3 reasons.
10. what is the average years of experience for hiring employees?