**1. What is your current program of study/profession?**

Software Engineering/Development.

**2. How much experience do you have in this field of study/work?**

About 4.5 years of study and 1.5 years of work experience.

**3. Do you enjoy your studies/work? If yes, which part interests you the most? If no, what do you not like about it?**

Yes I enjoy working in this field; I'm most interested in developing software interfaces (front-end development).

**4. What tasks or jobs would you say you mostly do in your field of study/work?**

Currently for work, I'm developing new front-end features and refactoring the current UI framework for an app from AngularJS to Angular (woot woot).

**5. Can you tell me some of your likes and dislikes and what you enjoy doing?**

Related to work I'm guessing? –

Likes: Applying/learning new things working on new features, working on documentation, collaborating with other devs on design/implementation, applying GIFs in conversation;

Dislikes: Developing for Internet Explorer.

Everyday life if not –

Likes: reading, Pokemon GO, sunbathing, more lame stuff

Dislikes: Cleaning the toilet.

**6. What are your values when it comes to your field of study?**

Continuous learning and improvement, as well as enjoying what you do and being proud of the work you put out.

**7. What occupation are you aiming towards, if you are not already employed?**

I suppose I am already there - working as a Front-end Developer.

**8. What skills have you been developing which you feel will be the most important for this future career?**

I'll mention the skills I've picked up that were pretty important - accountability, organization, communicating and working with teammates, being motivated to try and fail and learn on the job, and obviously developing the technical skills needed for the job.

**9. What are your current goals for yourself? If you have none, do you think you will have some in the future?**

Currently, I want to become more proficient in the new Angular framework that we're using at work. And yea, I'll probably have more goals later.

**10. Do you prefer to use to use the hand-held calculator or computer calculator?**

Hand-held.

**11. Do you have experience using the command line of your computer? And using a calculator on your computer?**

Sure I have some experience with the command line, although I'm one of those that prefers using a pretty interface instead. And I know how to use the computer calculator app of course...

**12. Are you comfortable enough to use a calculator without a Graphical Interface and just with the command line?**

No idea, never tried such. I'm sure I could. But I would prefer a GI

**13. Currently, my team and I are designing a scientific calculator and we are hoping to get your input to improve our design. How much experience do you have with a Scientific Calculator, and how often do you use one?**

I haven't used a calculator for scientific purposes since graduating 1.5 years ago. I HAD experience; I no longer have much experience with one now, since I never need to use one for work.

**14. Are there any functions you feel should be included in a Scientific Calculator but aren’t?**

I've forgotten what's already included in a scientific calculator... I guess calculus-related functions (derivatives, integrals, Lagrange, Laplace transform, combinations), engineering related functions (mechanical motion/transfer functions, electrical relationship functions)

**15. Does your operating system provide any calculator? if yes, Do you think its functions are enough for you?**

Yea Windows has a very basic calculator - its enough for me now, but as a student in Software Engineering, it definitely wouldn't be enough.

**16. What function/ functions do you usually need from a Scientific Calculator most?**

Now? BEDMAS functionality. Before? All the stuff in #14.

**17. Do you think you will use a scientific calculator in your field of study and in your future career. If yes, what will some of your uses for it, if no, do you think you would use for personal use?**

Nope, I don't anticipate I'll need it for the work I'm doing or will likely be doing from now on. I'd be using the very basics of the calculator for personal use.

**18. Do you use Scientific Calculator during your work or your exams or your course projects or anything else?**

Work, no. During school, heck yes. Those brutal engineering exams...

**19. Our calculator will include the functions for exponential functions, arccos, log, Gamma, Mean Absolute Deviation, Standard Deviation, sinh and a special exponential function which allows variables and expressions for the base instead of natural numbers. Can you tell us which function you would find most usable for yourself? Why?**

Nice. Definitely during school I would've used exponential and log functions, those were in a lot of courses.

**20. If no, is it because you don’t see yourself using any of the functions mentioned, or some other reason?**

I will not be using any of these now, I don't need to for work.

**21. How familiar are you with these functions and how they work?**

Pretty familiar. Again, I've been out of school for a while, but I would get it with a little refresher.

**22. Do you think it is necessary that a Scientific Calculator should take a function as input?**

It would be pretty useful to define a frequently used function that you can use to plug-and-play variables.

**23. Are there any features you would like to see included in this calculator that you think would make the design better?**

^ Custom functions as mentioned. Depending on your area of study/work, there is likely a list of frequently used functions that would save time in the field if they were defined and saved in your calculator where you can just input your variables.

**24. What should the precision for a Scientific Calculator be?**

your calculator should always be as precise as possible

**25. When using a calculator do you prefer to receive a step by step solution or simply a final answer?**

Ooooh... I would definitely prefer a step-by-step solution if you're using the calculator to learn/study. But simply for application on the job or during an exam, the final answer is best. I would not complain if my calculator could toggle between both of these functionalities.

**26. Do you think a history is essential for a calculator? If yes, how big should the history be?**

Yes, especially when you need to split your problem/calculations into parts. As for how long, I don't know... 10. 10 histories long...

**27. Do you have any positive experiences with a Scientific Calculator, if yes please elaborate?**

Yes. It helped me pass my exams. (Really not sure how I could have a worth-while experience with a calculator)

**28. Do you have any negative experiences with a Scientific Calculator, if yes please elaborate?**

Yes. One time, my calculator was not in my backpack when I needed it. I'm just kidding, you don't need to use this, just write 'No'

**29. In your opinion, what would improve your experience when using a Scientific Calculator on a computer? What features would improve its usage for you?**

I would definitely appreciate a good-lookin' interface for the calculator

If I were still in school, I would benefit from custom functions (#23) and/or functions tailored to engineering applications (#14). Step-by-step solutions (#25) would also be a neat feature to use as a student.

**Summary of Interview Process**

This interview followed the funnel method, for the same reasons listed above. However, as I was already quite familiar with the interviewee, there was no need to ‘break the ice’ so to speak. In this case the general questions were more for building their persona than it was to familiarize myself with them. Due to scheduling issues on both ends, we decided it would be best to do the interview in a non-proximal manner. This allowed the interview process to be more convenient and to a certain extent, more efficient, as I was able to ask multiple questions at once and receive (and conveniently ‘record’) multiple answers at once. The negative factor to this being that I could not judge the interviewees expressions or mood through the wall of texts, and therefore could not get a better sense of the interview process. Many of the answers that the interviewee gave pertained more towards their years in university and what would have been applicable then rather than now. The reason for this (as they stated) is because they do not have a need for computing scientific functions on a calculator in their profession. However, their answers did provide quite a bit of insight.

This interview was conducted in a semi-structured manner from the beginning, as I took a liking to this method during the first interview. To the same effect, it proceeded much like the previous interview, therefore there is not anything more noteworthy to mention.

**Analysis of Responses:**

Given that the interviewee mentioned that the currently did not have a need for a scientific calculator, they still provided useful insight into the needs of an engineering student. Some key features that the mentioned were the ability to input custom functions, the addition of calculus related functions, and the addition of engineering-based functions. Coupling the response with the previous (Persona 1) interviewee, it seems as though there is a need for custom function implementation within the scientific calculator. The interviewee also expressed a preference for a UI based calculator, as it is more convenient to use; again, this response is common between the two interviewees. Many of this interviewee’s answers coincided with that of the previous interviewees, which may seem as though there was no information gain, however it only proved that there is a demand for these types of features across different fields. This interview helped reinforce some of the functions under consideration, and thus provided quite a bit of useful insight.