*Please briefly answer question #1, then provide an essay addressing the prompt (#2) below. The essay should be about one page, single-spaced.*

*1)* Briefly list any CS experience you had prior to college (ex: AP CS; a non-AP class; a summer internship). Note: This is gathered for informational purposes; prior experience does not improve your chance of admission.

*2) Essay Prompt:*

Computer science and engineering requires creativity, teamwork, and strong academic ability. We value breadth of interest, leadership, and diversity. Tell us about your academic and personal interests, goals, and what you will bring to the CSE community. In addition, address any of the following topics if they apply to you:

If you have applied to CSE before, tell us specifically how you have improved as an applicant since your previous application.

If you have overcome any significant obstacles (medical, financial, personal, etc), please discuss.

If you will pursue more than one major, tell us why both majors are important to you.

If you will take more than 4 years to graduate, please briefly explain why and discuss your plan for graduating efficiently.

Interest, leadership, diversity

Interest, goal, what you will bring

Bonus question in 143 - It was difficult and not in the course. I didn’t fully understand how the hierarchy works between super and subclass as well as the “unmodifiable” things. I had to do lots of researches as well as writing my own testing code to practice the hierarchy between classes. -- Interest

When I meet problems in the future, I will have the interest and persistence to research and learn things by myself

Teamwork & leadership

I didn’t have much leadership before, and we were not allowed to work as a group in CSE courses. But in another course related to coding, informatics, I had a glimpse of my potential leadership. We need to do a group project, but everyone doesn’t know what to start, just playing with their phones. I think this isn’t going to work, the code won’t write themselves, so I stood out and called everyone to make a plan, to put what we have so far and list what we don’t have into a whiteboard……

In the future CSE course and field, group work is needed to make large coding projects, and a great leadership is needed for everybody. The CSE department can help me improve my leadership, and with my leadership improved, I will become a potential leader in the CSE

Goal expectation

Favourite assignment in CSE 143, guitar hero – computer science is not about rocket science, it exists in our everyday life, and we can use computer science to improve every aspects of our life. After that, I felt very interested to use computer science to explore the everyday events, solving the problems using the programme knowledge I learnt from class. => interest and goal

I have leadership when working as a group, and I will use my leadership to lead other people when working as a group in the CSE community, and the department can help me further develop my leadership. => What I will bring to the CSE community and what the community will bring to me.

Before university, computer science has always been sort of a magic for me -- it was marvelous yet mysterious, enabling people to do everything by typing colorful codes on a computer. With a strong attitude of curiosity and courage, I decided to have a try in the college, and the story began.

After my first year in college, I found myself totally in love with CSE. Writing code is like me having a virtual assistance – I write code to tell the computer what I want, and it will do exactly what I told it to do. When I compiled the whole program and saw it run correctly and give me what I want, it felt like I can build the whole world with my hand. As a matter of interest, I often had relentless power to explore in the field of computer science. Writing code, therefore, has been my favorite hobby in my free time. This summer, I used some of the knowledge from class to help one of my friends. She wanted to enter the indexes of items of a game onto a website to search for their detailed information, while there were more than 9 thousand of them. I used the knowledge from class to write a simple website for her so that she can choose the clothes that she didn’t have, and then the website will produce the code for the rest of the clothes that needed to be imported, and she can just copy and paste the codes to the game she played. Although this was not a very complex mission, I did find the most appealing part of the computer science – to use your own knowledge to design the solution and solve the problem in real life.

Among all the time thinking about my future, I have been questioning myself, why do you want to learn computer science? What will you do if you can learn computer science well? Is it just because I am interested in coding? Interest is not enough to support me to go through all the difficulties in the future, so apart from interest, why should I learn computer science?

The answer didn’t come from somewhere else, but from computer science itself.

There was an assignment called “Guitar Hero” in CSE 143 that inspired me about my goal and my future. In this assignment, we wrote codes to enable a user to play the guitar by typing on the specific keys on the keyboard, or write the song in a file using a specific format, and the program will play the song automatically. I am a guitar player, and I play guitar a lot in my free time. This assignment, however, provided me with a brand new way of playing guitar. I was completely amazed by the application of computer science into the field of guitar, even if it was just a primitive prototype. What if we can integrate computers into every aspect of our life? What if I can master computer science and one day I can design software to bring the technology to every person’s life? I was excited to play around with my first product of computer science integrated into life, and my faith to learn computer science had never been stronger. With computer science, we can make use of the advanced modern technology to enhance the daily life of the user, even on the most ordinary, trivial things that we do everyday, and my goal is to learn the knowledge and bring it to everyone’s life.

For me, a student who has never done any coding before college, computer science is like an unexploited forest for me – it contains endless knowledge and possibilities for me to explore. With the excellent teachers and resources in the Paul G. Allen School, I am sure I will be given the most advanced equipment, and I will continue my journey and pursue my goals in the field of computer science!

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Leadership is always one of the most important spirits for us, and it was computer science that helps me find my potential leadership and explore my abilities. Informatics 201 is another class that is related to computer science, and in that class we were assigned into different groups and were supposed to design our own group projects. When we had a rough direction, we didn’t know what we should do next, and during the group meeting everyone was just playing with their phones or chatting about other things. So I stood out. I drew my ideas and the designs on the white board, and I divided the projects into different parts. Then I assigned different parts to different members, and I made a time schedule in which we agreed the deadline for each part of the project. Finally, we finished the project perfectly and we all got high grades. It was the confidence of my coding strategies that helped me developed my leadership, and I want to bring that leadership to the CSE community.