



Scholarship Essay

Educational and Career Goals

The rapid evolution of technology is more than evident in this particular time and era. Almost all the fields in the world today has been graced by the advancement in computer technology. The art of computer engineering has brought together the performance of computers and its manufacturers by creating and maintaining them. The training available for this career calls for a lot of patience and willingness to learn about computer science and the training program provided. The most important aspect of this career is the use of one's creativity, and this allows one to have some control.

Ever since I was young, computers and how they function have always fascinated me, and I still yearned to learn more every day. Growing up, I had the privilege of accessing a computer, and I would learn how to use it and even solve several problems using the computer. As I went through all these phases growing up, my mind was always settled at computer engineering and having a computer engineering major will put me on a higher ground than a major in computer science would. My continued interest in computers has earned me a further interest in creative solving of various problems. My math teacher inspired me towards this career choice in ways I would have never imagined. My excellence performance in mathematics and science I attribute it all to him. He always pushed me to be a better student and see how valuable education is.



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Through a careful following of the computer engineering curriculum bases, computer engineers are well-prepared for future approaches that are problem-oriented. The engineering curriculum also focuses more on the hardware aspects of computers. Most schools do offer a degree in computer science and very few provided degree in computer engineering. Engineering in computers has provided fast developing branch of engineers and today, its one of the most technologically based jobs. This field also merges well with the knowledge of electronic engineering and computer science to achieve advancement in computer systems. Computer engineers work to offer techniques of computer science, engineering, and mathematical resolution to create, test, and assess software and computer systems, and they use the best technology available today to create a better one tomorrow.

In a conversation I had with my mentor a few weeks ago, he mentioned that computer engineers need to go through a standard level training and intelligence to be exemplary in their job. To get a bachelor's degree, one has to go to college or university that offers a good computer engineering program. Upon employment in an engineering company, one goes through an on the job training program where you learn the types of systems that will be created and manufactured. He pointed out that majors in computer engineering have to study conventional electronic engineering, computer science, and



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math in college. These attainments will allow a computer engineer to understand the appliances in computers better. The computer knowledge studies enlighten the engineer on how the software makes the computer system run right and perform the tasks well and in quality.

This career holds some merits and demerits. Most people view computer engineering as working on a computer for hours on end. However, this is not always the case, being a computer engineer enables one to put their creativity into use, work on a detailed project, and this allows one to express their ideas through computers. This career, as earlier mentioned requires a lot of patience to achieve the set objectives. As a new machine as the network is, the technology available will keep on rising with the help of the knowledge in computer engineering and science. The computer department at Texas Tech University is broad and provides its students with various opportunities to explore in the world of computers. This exact reason is why I want to take my major in computer engineering in this college. A window of opportunities is what every successful student needs to soar higher in their education and career, and Texas Tech University offers this. I have also read about the various great computer engineers that are alumni of this college and how great they have turned out to be, and this motivates me and makes me want to be part of this college.



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This career is so much worth the while, and it doesn't stop growing every day. This major will be a critical step towards my future career and to top with my passion of exploring the world of technology; I'm confident I will have more than enough to achieve my career goals in the future. I want to explore my interest in computers, and I want to do this major in computer engineering because it will provide the perfect platform for me to explore my interests. Another main reason why I want to major in computer engineering is just that it will help form the foundation for my career journey. Through this major, I am going to achieve my childhood dreams of becoming a computer wizard and also build my career along the line of computer engineering. It's also through this that I will be able to make my parents who have made so many sacrifices for me to get where I am today and where I will be upon completing my college studies. Having a stable job in this career will be more than beneficial to my family and me, I will be able to support my parents and my siblings and even take them through school because I fully understand the value of education.

I have taken up a few jobs to supplement my studies but the proceeds are not quite enough, and this scholarship could help offset some of the costs of my studies and also relieve me of the workload and focus on my studies more. I look forward to using my skills in computer engineering to help people in various fields to achieve their career



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goals. Upon completion of my college studies, I intend to work in a successful computer engineering company and sharpen my skills in this profession. After attaining the on the job training and I am confident enough, I will work towards starting my own company. This degree will be able to help me figure out my ten -year plan.

Financial Need Circumstances

I was brought up with the importance of education as a significant foundation. Both my parents never had the opportunity to go to college, and because of this, they went through so many struggles trying to get their personal and professional lives. As a result of their limited education, they always worked in entry-level positions and what they both earned never did more than putting food on our table. They have made great sacrifices to put me through school and up to high school, and I have returned this favor they did me by performing well in my high school and graduated with exemplary results. During my high school years, I worked as a math and science tutor for students in middle school where I helped them achieve better results in these subjects which I am good at. I did this to contribute to my family's income. I took my second job as a messenger to a writing company and all along my main aim was to help my folks in supporting our family. Another post I took up was at a grocery store where I always worked after school and during the weekends and the holidays. The grocery store



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belonged to our old neighbor, and due to her advancement in age, she needed someone to help her around the store, and she hired me after seeing how diligent I was and supportive to my family. When I was not running around town as a messenger, I was at the grocery store and later tutoring the middle school students in my neighborhood on math and science. I was always occupied doing something that brought income into our family, and I always ensured that I made enough time for my studies amidst all this hustle.

I was also a very active student in high school and took part in various extracurricular activities. I was a member of the school's football team and participated in multiple competitions in the region. With my great unending passion in mathematics, I also signed up as a member of the Math interscholastic League and became a very active member and always energetic and fully participated. Another club I was part of in high school was the science club where I got the privilege of being its secretary.

Through the incredible support I have received from my family throughout my school years, I am now privileged to get an opportunity to attend college. Being the first born in my family, I will be the first person to go to college. To realize this long-time-coming dream for both myself and my parents, I need financial assistance because my family is still not in a better place financially. I am committed to pursuing a



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career in computer engineering, and college being an expensive investment, my family will not be able to support me through it all financially fully. I will need funds for books, supplies, housing, and transportation to the campus and my parents' little income cannot cover all this. Being in school also means that I can't be able to work as much as I used to because I'm taking an engineering course which requires a lot of concentration and focus.

I will maintain the same diligence throughout my college studies, if selected for this scholarship and will ensure always to make education and service to other people my priority. Awarding me this scholarship would enable me to shift more focus on my studies, and it will also support me in my involvement in community service. Through this scholarship, more opportunities will be open for me to attend various conferences that will expose me to the newly developed technology. This scholarship will be an essential role in helping me attain my computer engineering degree. I will represent your organization well through my years in college and beyond. I much appreciate your consideration and will work towards being a professional that you will be proud of.



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Special Contribution to Texas Tech University

As a computer engineering student, going through a rigorous education in computer science and further emphasizing on the physical and architectural aspects of computer systems design is very important. My primary accomplishment in this course will be the ability to address computing systems across the hardware and software spectrum. After this undergraduate course in computer engineering, I will be able to practice and grow as a computing professional, able to conduct research and leading, designing, developing and maintain projects in various aspects of computer science and engineering. Utilization of the knowledge and skills in computer science and engineering to effectively improve the society will also be another accomplishment I'll attain from this course. Using new technological advancement in this field to make remarkable contributions in my profession is also part of my participation and achievements.

Among my contributions to Texas Tech University and my academic program on computer engineering will include the ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. The second one is the ability to use engineering design to bring forth solutions that are in line with public health, safety, and welfare. Another contribution to this academic program will be the ability to function in a team whose members provide leadership,



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collaborative and an inclusive environment, establish goals and meet its set objectives. The ability to develop and conduct appropriate experimentation, analyze and interpret data and use engineering judgment to make sound conclusions will be another one of my contributions to this academic program.

My contributions and experience at Texas Tech University will be essential for success and satisfaction. They will also play an indispensable role in modeling one of the most critical stages of my academic journey. Being the first one in my family to attend college, my passion for studying is, and I can contribute this passion I have and motivation in pursuing academic excellence as a part of Texas Tech University learning community. My experience at the university will also allow me to accomplish my educational goal towards success. I also plan to apply my tutoring experience in science and mathematics at the university and get more involved in the learning community.

I am highly committed to the community and volunteer services, and I can bring this to the Texas Tech University community. Despite my hard work and excellent performance in my academic work, I always find time to volunteer in various organizations. This includes volunteering to distribute food and cloth items to the homeless people in Texas and also to the poor communities in the third world countries.



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Through these volunteer experiences, my life has had a positive turn, and I have become a whole-rounded person and I plan to keep up the volunteering spirit while attending Texas Tech University as this will make my college experience more diverse and of more value.

I'm a firm believer of, and I will actively encourage this in my class and set an example to everyone on the advantages of teamwork and especially in this academic program. I am very passionate about contributing to the development of others and group interaction is a vital tool for mutual growth and I will encourage precisely this in my class. As an exemplary student as I was in high school, I look forward to adding an element of myself to my level. I also look forward to continuing my interests in sports and theatre from high school and plan to join the university's football team and exploit my talent as well as contribute to the university's football team.

Leadership Experience

I have had quite several experiences in leadership throughout my school years and when I was growing up. It's these experiences that have impacted the leadership skills in me and made me an excellent leader. These leadership experiences range from when I was a class leader in middle school to my position at the students' council in



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high school. In my fifth grade, I was elected to lead my class in a science project we were doing, and I did well, so much that my class won an award for the most creative project in the competition. During this time, my responsibility was to ensure that everyone in the class contributed equally to the project; everyone attended the rehearsals we held every Friday afternoon and understood the project fully. My second leadership experience is being a member of the students' council back in high school. I was the council's president, and this position did come with a lot of responsibilities and expectations. I, however, didn't shy away from it and took it head on. I always ensured I communicated to the students well and heard their grievances and put their needs first. Through this council, I got an opportunity to attend several leadership seminars where I learned a lot on quality leadership. I even received a certificate to show my attendance to these annual seminars. During my time as the council president, I took part in a leadership program where there was a competition that was based on leadership qualities. During this competition, one was required to carry out a project that would show how good their leadership qualities were. In my project, I involved some teenage member of a rehabilitation center, and I planned to lead them through a program they had failed a couple of times. This was a program that was going to contribute to their health wellness and get them out of rehab. Every time they wanted to quit, I would



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encourage them that they can do it and to keep pushing on. I did well in my project and managed to get my group of three teenagers to finish the program successfully, and this did win me an award in this competition. The position in the school council taught me the importance of promoting school spirit, and I intend to continue this great involvement throughout my college career. The post also helped me learn how to take charge, delegate responsibilities, be creative, innovative and take responsibility. All this equipped me well with leadership skills that I intend to pass on to my attendance at Texas Tech University. I also look forward to using these attributes to contribute to the various clubs at the university.

During my tutoring years, I took on to help students in the junior years to do better in math and science, and I did this single-handedly, and the results were that the performance of these students during the subsequent semesters had significantly improved. I also had a leadership role in the volunteering organization I was part of. I directed the volunteers on the various activities we would be undertaking every month and ensured we all worked as a team for better results. I assured we had enough items to send to the homeless people and to the children homes we visited. I also confirmed everyone attended the meetings and were present during our visits to donate the food and cloths items and I always wanted to find out why one or two members could not



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make it and find out if they are experiencing a particular problem and how we could help if that were the situation. From this, I learned that motivation, spearheading change, building relationships and inspiring your team is the most crucial part of achieving the best results. This volunteer program had me win an award for the most active member during the charity awards, and I boast of this among the already mentioned awards that I have received throughout my leadership journey. Having sharp skills in coding, HTML, and software, I guided my classmates through these topics and helped them understand better. This taught me the importance of team building and always encouraged my classmates to come together on matters that proved to be tough and put our heads together to handle them. With these same skills, I was a member of the computer club in high school where I participated in various capacities in the club's activities, and this earned me a certificate as a member of the club.

I used several principles during my leadership years and leading by example was one of them. An excellent example of this is in the volunteer organization where I always ensured that I met all the requirements needed by the organization. I provided I submitted my donation items on time to the organization, attended the meetings we had during the weekends right on time. I always ensured I performed to the best of my ability and what this did was, it encouraged the rest of the members that they can also



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accomplish these things just like I did and this helped the organization a great deal.

Another leadership principle I used was leading by teaching, and the best example of this was during my tutoring sessions. I appointed one of the students to be taking the rest of the students through the assignments I had given, and I taught him how to do it well and effectively. By doing this, I showed him together with his fellow junior students that they can always get into place when I'm running late or absent and do something constructive with the time. The third principle was leading by inspiration. The most vivid experience of leadership by inspiration is where I helped a junior student; I tutored from dropping out of school and running away from home. At the time he used to attend my tutoring sessions, he had no intentions of staying in school, and he admitted this to me and how through my courses and seeing how dedicated I was at what I was doing helped change his mind entirely and made a decision to stay in school and strive to do the best while at it.

As a leader, I took so much joy in solving technical issues around me, and the focus on this helped me learn how to coordinate members in a group and utilize every members' strength. I also took a lot of interest in explaining complex concepts to my group members and ensured they all understood it. Through all these experiences, I have learned that being an active team player is vital for excellent results, leadership

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means overcoming your fears, learning from failure and others and motivate others to do the same.

I intend to keep this up when I enroll at Texas Tech University. I will have interests in contributing to group work in class and also join the various clubs and associations in the college as well as take up leadership roles in them. This being my only chance to attend college, I want to make the most out of it and ensure I have had quality experiences with other students here and looking forward to better and more significant opportunities and achievements.