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10/20/2022

I want to apply for Computer Science and Software Engineering. I want to learn more about how computer science and tech play roles in current society. Growing up as a kid, I loved to solve problems and figure out difficult puzzles. I was interested in the building of computer science when I took my first programming class in my second year of high school. It was such a unique experience. I never thought I would associate writing a few lines of code with the applications I was using to play games or communicate with friends.

As a student who went to high school in North Seattle, being in a diverse and inclusive environment helped me grow a lot. I learned a lot about different cultural experiences. During this time, I joined the FIRST Robotics Competition and was one of Team 2928. Our team had teammates from different cultures and backgrounds. During the design and assembly time, we had arguments about different opinions. However, because my goal was to improve my team scores in world competitions, I was able to focus on the task at hand and effectively communicate with my team. During the world competitions, I translated Chinese to help my teammates communicate with teams that come from China. I believe I will meet diverse learning groups in the future. Others from diverse backgrounds bring unique perspectives and bright ideas to the group. Those events helped me to be more respectful of each other. I learned a lot of useful leadership skills from 4 years of team events and being able to help others in my roles makes me feel good and helps me to build relationships.

During my freshman year of college at UW Bothell, I began to learn more about different techniques like desktop app development and programming. I joined Game Dev Club at UW and created my first game with people who have high-level skills. Meanwhile, I interacted with many people from different backgrounds in the club. This summer, I self-taught C++ and Python with Raspberry Pi. Using these new skills and knowledge, I made my home light control more automatic. My mother now can manage the light system with her cellphone. As a result of these projects, I became thrilled by computer science's transformative potential in our industry and education system, especially in AI technologies. Currently, I am taking the course CSS 295 where I help build and teach the curriculum of basic computing concepts using Scratch to middle school students. This course will help me learn how to create an inspiring and approachable STEM learning environment for children to achieve my goals.

The introduction to Artificial Intelligence course would allow me to gain a better understanding of AI and apply this knowledge to hardware control and game development in the future. Even I have applied before. But I hope to leverage CSS Program's renowned facility and resources to gain solid theoretical knowledge and invaluable practical experiences in various development projects. And I believe UW Bothell's CSS program is the best place to home my skill and turn my passion into practice. I am well prepared to embrace all the challenges and opportunities at UW Bothell.