

Broadcom Scholarship Nomination Essay

I am honored to be nominated for the Broadcom Scholarship as it allows me to reflect on my journey in computer science and my dedication to supporting underrepresented groups in STEM.

Growing up in Silicon Valley, I have been surrounded by tech companies like Apple and Google and I always hear about the technological innovations happening around here. Despite facing initial challenges in taking AP Computer Science A without any programming experience, I persevered through self-studying for the AP exam and attained a high score. Along the way, I developed an interest in coding and this was the beginning of my journey into computer science.

During my time at San Jose State University, I delved deeper into the field of computer science and explored advanced topics such as artificial intelligence and machine learning. Through this academic journey, I developed my skills in various programming languages and software development practices and prepared myself for a career in the tech industry.

Apart from academics, I joined the Society of Women Engineers (SWE) in my freshman year and I have grown to become passionate in promoting diversity and inclusion in STEM fields. SWE allows me to expand my network and connect with other individuals who share similar interests and career goals. As a female majoring in Computer Science, finding a sense of belonging in the STEM environment can be daunting. The sense of community at SWE inspires me to pursue my goals with confidence. Additionally, I have learned to step out of my comfort zone and embrace new experiences and challenges. As a chair of the “WOW! That’s Engineering Conference” committee for the past two years, I love that I am able to empower high school girls to explore STEM opportunities and create an environment where aspiring female engineers with similar interests can connect. The engineering conference invites high school girls to learn about STEM and prepare for college through various events such as workshops, keynotes, and an engineering design challenge. Furthermore, organizing two successful conferences with 70+ high school girls has enhanced my leadership and communication skills. I am proud to have accomplished such a big task of planning these conferences with the team and it has been rewarding and inspiring to see everything come together in the end.

The Broadcom Scholarship will play a significant role in my academic journey and allow me to pursue further education and expand my knowledge in areas such as artificial intelligence and machine learning. As a college student, managing finances can be difficult so this scholarship will provide support for tuition expenses and allow me to become more financially independent. In addition, I will use the scholarship funds for educational resources and learning opportunities, such as online learning platforms and external courses. I hope to deepen my understanding of computer science concepts and explore specific topics, such as applications of machine learning in quantitative trading and predictive analysis. I strive to continue advancing toward my goals with the intent to make a positive impact while also supporting underrepresented groups in STEM.