As a computer science undergraduate, my passion for Machine Learning (ML) has propelled my academic journey. I was fortunate to collaborate with Prof. Junchi Yan at SJTU-ReThinklab. I also participated in the summer research program working with Prof. Xujie Si at the University of Toronto. I delved into ML research, resulting in four publications, including one paper at ICASSP as the first author, two papers at NeurIPS as the second author, and one paper under review at ICLR as the second author. These works garnered approval and prestigious accolades, including the SenseTime Fellowship (awarded to 30 undergraduates nationwide), National Scholarship (twice), Shanghai Scholarship, Zhiyuan Scholarship, etc.

I have excelled in all core advanced math courses, computer science courses, and specialized AI/ML courses, attaining A/A+ grades throughout. Because of my outstanding performance, I am invited to serve as a teaching assistant for the CS0501H Data Science (Honorary) course, where I organized online exams and exercise sessions for students from Zhiyuan College.

Furthermore, my commitment to extracurricular activities and community involvement showcases my resilience and determination to make a positive impact. In SJTU, I got opportunities to participate in various activities, where I honed my leadership skills and create inclusive environments. In the SJTU summer camp, I led a social practice group, with over 100 members, to investigate tourist cities and identified opportunities for technological applications to enhance tourism. As a result of our hard work and achievement, our team was awarded Third Prize of "Knowledge and Practice Cup" in Shanghai College Students' Social Practice Competition (Top 0.1% in Shanghai) and I was awarded Advanced Individual in the Social Practice Group and the National Scholarship.

The positive impact of my proposed ML method on the specific field strengthened my determination to be a future prominent researcher in the ML field. My aspirations now extend to become a distinguished ML research. I am enthusiastic to witness how ML techniques make contributions to this exciting field. The renowned MSCS program at Duke, with its top-notch faculty and impeccably crafted curriculum, is the perfect incubator for this dream. I am excited to join the Duke's community, to learn advanced knowledge, extend research background and collaborate with prominent researchers at Duke, to help push the boundaries of ML. With a robust quantitative skill-set, extensive experience, and a deep passion for expanding my knowledge of ML, I firmly believe that I am a also well-suited candidate for the CS ScM program. I am confident that my journey at Duke will equip me with the expertise demanded to pursue future study as a PhD, make insightful contributions to the ML field and finally contribute back to the community at Duke.