

Teaching Statement

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Introduction

Currently serving as a Senior Application Engineer in the Department of Computer Science at Lahore University of Management Sciences (LUMS), I have the privilege of teaching sections of CS100: Computational Problem Solving and CS300: Advanced Programming. My academic journey, leading to a Ph.D. from LUMS and enriched with a significant span of teaching assistantships, underscores my passion for computer science education and commitment to fostering student achievement.

Teaching Philosophy

My teaching philosophy is anchored in the principles of clarity, engagement, and applicability. I aim to make complex concepts accessible to students of diverse backgrounds. This approach is central to my teaching, especially in foundational computer science courses.

Engagement through Innovation

By adopting innovative teaching methodologies, I have integrated real-world problems into the labs to promote hands-on learning. My involvement in co-advising seven senior-year projects demonstrates my dedication to applying theoretical knowledge in addressing real-world challenges, preparing students for success in both industry and academia.

Extensive Teaching Assistant Experience

My dedication to education is also evident from my extensive experience as a Teaching Assistant (TA), where I supported a range of courses from Design and Analysis of Algorithms to Distributed Systems. These experiences have enriched my teaching skills and my ability to communicate complex ideas effectively.

Commitment to Excellence in Teaching at LUMS

As a staff member with teaching responsibilities at LUMS for the past year, I have embraced the opportunity to make substantive contributions to the department. This role has allowed me to impact our educational offerings positively, fostering a culture of academic excellence and innovation.

Future Aspirations

Looking forward, I am eager to contribute further to LUMS's mission by transitioning to a faculty position, where I can continue to innovate in teaching, curriculum development, and mentorship. My research in big data analytics, distributed systems, and program analysis positions me to enrich the curriculum and foster research collaborations within the department.

Conclusion

My experience as an educator and researcher at LUMS has been profoundly rewarding. I am enthusiastic about the opportunity to further my contributions to the Computer Science Department as a faculty member, nurturing future leaders in computer science. My commitment to teaching, research, and service remains steadfast, as I aim to inspire and empower students to achieve their highest potential.