

## **Teaching Statement**

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As an educator, I believe that teaching is not just about transferring knowledge but about inspiring curiosity, critical thinking, and a lifelong love of learning. My teaching philosophy is grounded in the idea that education should be student-centered, promoting active engagement and personal growth. I aim to create a learning environment that is inclusive, dynamic, and responsive to the diverse needs of my students.

My primary goal as a teacher is to empower students with the knowledge and skills they need to succeed in both their academic and professional lives. I strive to cultivate critical thinking, problem-solving abilities, and ethical reasoning, particularly in the fields of artificial intelligence and cybersecurity. I want my students to not only understand the theoretical foundations but also to apply their knowledge to real-world challenges.

I use a variety of teaching methods to engage students and foster a deep understanding of the material. In my classes, I emphasize active learning through discussions, group projects, and hands-on activities. For example, in my AI courses, I incorporate coding exercises and case studies to help students connect theoretical concepts to practical applications. I also encourage students to collaborate on projects that address real-world problems, which helps them develop both technical skills and teamwork abilities. I often include recent developments from my own work in AI and cybersecurity into the curriculum. This not only keeps the course content current but also exposes students to cutting-edge research and potential research opportunities.

Assessing student learning is crucial to ensuring that my teaching methods are effective. I use a combination of formative and summative assessments, including quizzes, exams, projects, and peer reviews. I believe that assessment should not just be a measure of student performance but also a tool for learning. Therefore, I provide detailed feedback on assignments, highlighting both strengths and areas for improvement. This feedback is designed to guide students in their learning journey and help them achieve their academic goals.

I recognize that students come from diverse backgrounds and have different learning styles. To accommodate this diversity, I use a variety of teaching materials and methods, such as visual aids, interactive simulations, and hands-on activities. I also make myself available for one-on-one consultations, where I can provide personalized guidance and support. Creating an inclusive classroom environment is a priority for me, and I strive to ensure that every student feels valued and respected.

In summary, my teaching philosophy is centered on the belief that education should inspire and empower students. I am committed to creating a supportive and engaging learning environment where students can thrive. As I continue to grow as an educator, I am always looking for new ways to improve my teaching practices and better serve my students. I am excited about the opportunity to bring my passion for AI, cybersecurity, and teaching to your university, where I hope to contribute to the academic and personal growth of my students.