

HDR² From Harnessing the Data Revolution to Harvesting the Data Revolution

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Interdisciplinary Traineeship for Socially Responsible and Engaged Data Scientists (iTREDS)

Wednesday 26 October 2022 16:30 (1 hour)

The iTREDS program trains undergraduate students in data science through a lens of social responsibility and community engagement, including rigor and responsibility, ethics, society, and policy. The students also develop superskills in the areas of teamwork, working with stakeholders, ethics, communication, and entrepreneurship. The goal of this 15-credit program is to develop scholars with an in-depth data science background as well as communication, critical thinking, teamwork, and other skills necessary for professional development. Launched in 2020, the iTREDS program has successfully recruited and trained three cohorts of 72 students (67% female and 19% URMs) from University of Notre Dame and St. Mary's College. The students experience an enriched experiential learning framework involving coursework, summer internships, and capstone projects. Under faculty mentorship, the students develop their capstone project topics by thinking and working together with community partners and organizations on data-driven problems.

Research

Education and Outreach

Data & Cyberinfrastructure

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