

BI-CO MATHEMATICS COLLOQUIUM

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“One company's solution to a common logistics problem: A story of Machine Learning and Mathematics”

Monday, March 20, 2023

Talk at 4:00 – Hilles 109

Tea 3:30 – Foyer outside of H109

Abstract:

Machine Learning (ML) models can be found in every industry and are often integral components of large companies and new start-ups. ML models however are often a single piece of the puzzle when creating a valuable quantitative solution and any solution will always require hands-on critical thinking and problem solving. At Airspace Technologies, a time-critical shipping company (think organ transplants), ML models run the show. In this talk I will present a problem in logistics routing (one that is unknowingly solved for you regularly), the role ML plays and its limitations, and how my mathematics background led me to the solution.

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