SAMUEL KROGER | CURRICULUM VITAE

https://samuel-kroger.github.io/| 281.793.6105 | sakroger@rice.edu

EDUCATION

Rice University, Houston, Texas   2019 – present
    PhD candidate, Computational applied Mathematics and Operations Research
    Advisor: Illya V. Hicks, PhD, MA

Rice University, Houston, Texas   2019 – 2022
    Master of Arts, Computational applied Mathematics and Operations Research
    Advisor: Illya V. Hicks, PhD, MA

Bates College, Lewiston, Maine   2016 – 2019
    Bachelor of Arts (Mathematics) Spring 2019

Publications

Refereed Journal Papers

Papers Under Review

- S. Kroger, H. Validi, I. V. Hicks. Maximizing resilience in large-scale social networks.

Teaching

Rice University, Center for Teaching Excellence
    Certificate in Teaching and Learning   Fall 2021 – present

Rice University, Department of Computational and Applied Mathematics
    Grader, CAAM 570, Graph Theory   Spring 2021
    Teacher's Assistant, CAAM 335, Matrix Analysis   Fall 2021
    Teacher's Assistant, CAAM 334, Matrix Analysis Data Science   Spring 2020
    Grader, CAAM 335, Matrix Analysis   Fall 2020
    Grader, CAAM 382, Stochastic Models   Spring 2019
    Grader, CAAM 335, Matrix Analysis   Fall 2019

Conference Presentations/Invited Talks

- A decomposition approach for solving the majority-minority districting problem. INFORMS computing society 2022, Tampa, Florida, January 24, 2022

- MIP Formulations for Solving the Maximum Anchored K-core Problem. INFORMS 2021 Annual Conference, Anaheim, California, October 24, 2021

Professional Service

- *Networks* Journal referee
- Session Chair: INFORMS (2021, 2022)