



WPI

Data Science REU Poster Symposium

Thursday, August 3, 2023

WPI Innovation Studio 2nd Floor

2:00PM – 4:00PM

See the Research. Meet the Students. Evaluate the Posters

Refugee Resettlement: Collective Impact Backbone, DEA Analysis, and Qualitative Coding

Advisor: Prof. Sarah Stanlick & Prof. Andrew Trapp
Ph.D. Mentor(s): Fatemeh Farajzadeh



REU Student(s): Teodor Hellgren, WPI and Thor Hammer, WPI



Analyzing Patterns in Complex Oil/Water Mixtures & Predicting PFAS Properties

Advisor: Prof. Andrew Teixeira
Ph.D. Mentor(s): David Kenney

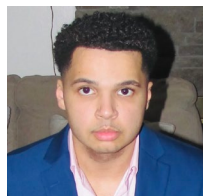


REU Student(s): Duncan Soiffer, WPI

Biased Mental Health Information in OSNs

Advisor: Prof. Fabricio Murai
Ph.D. Mentor(s): Shannon Song and Chiman Salavatii

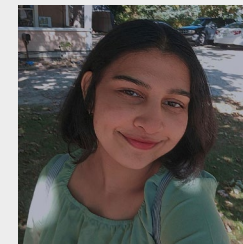
REU Student(s): Libby Tideman, University of Arizona; Juan Sanchez Mercedes, Bryant University; Fiona Romanoschi, University of Texas at Austin



Elucidating Trends in Complex Oil/Water Mixtures

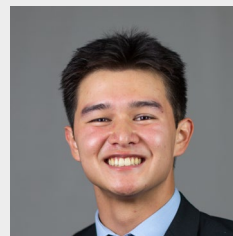
Advisor: Prof. Andrew Teixeira
Ph.D. Mentor(s): David Kenney

REU Student(s): Ahana Yelagar, Drake University



Data Analytics for Informing Equitable Resource Allocation for Runaway and Homeless Youth in New York City

Advisor(s): Prof. Renata Konrad, Prof. Yaren Kaya, Prof. Andy Trapp, and Prof. Geri Dimas
Ph.D. Mentor(s): Meredith Dank

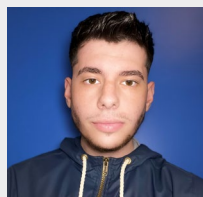


REU Student(s): Nathan Willemsen, WPI

Predicting Students' Mental Health from Fitbit Data

Advisor: Prof. Elke Rundensteiner & Prof. Shichao Liu
Ph.D. Mentor(s): Ricardo Flores, Avantika Shrestha, and Xingtong Guo

REU Student(s): Nikola Grozdani, WPI; America Munoz, National Louis University; Alexander Pietrick, WPI



SWAP System for Resource Sharing

Advisor: Prof. Andrew Trapp
Ph.D. Mentor(s): Weixiao Huang
MS Mentor: Elise Deshusses

REU Student(s): Arjun Venat, WPI



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- 1852498 Data Science Research For Healthy Communities In The Digital Age
- 1910880 III: Small: Outlier Discovery Paradigm...
- 1815866 III: Small: Scalable Event Trend Analytics For Data Stream Inquiry
- 222713 NSF 22080011-AWD - Collaborative Research: FW-HTF-R: Mobilizing Nonprofit Resources and Talents with SHARE: A Community Tool for Purpose-Driven Work
- 1935602 NSF 19100005-AWD - ISN2: Disrupting Human Trafficking Supply Networks via Needs Matching and Capacity Expansion
- 2233377 NSF 22090000-AWD - RAPID: Data Collection for Designing Refugee Matching Systems

