



Data Science REU Poster Symposium

Thursday, August 4, 2022

WPI Innovation Studio 2nd Floor, 2:00PM – 4:00PM

See the Research. Meet the Students. Judge the Posters

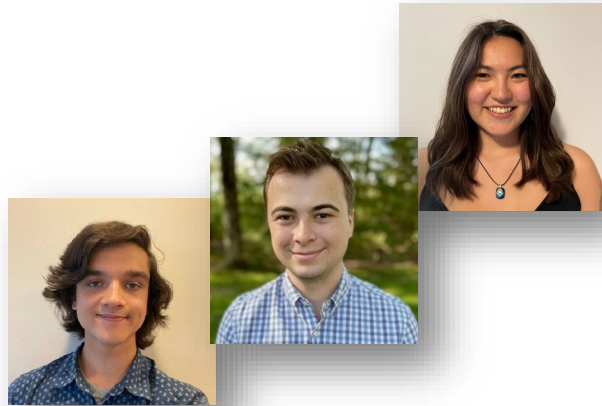
This work was supported by The National Science Foundation (NSF) under grants:
• REU site [1852498](#) Data Science Research for Healthy Communities in the Digital Age
• Outlier [1910880](#) III: Small: Outlier Discovery Paradigm
• Events [1815866](#) III: Small: Scalable Event Trend Analytics For Data Stream Inquiry



Using Fair AI When Demographics are Missing

Advisor: Prof. Elke Rundensteiner
PhD Mentor: Kathleen Cachel
PhD Collaborator: Oluseun Olulana

Shailen Smith, Stony Brook University
Alex Pietrick, WPI
Alyssa Romportl, St. Olaf College



Verifying Robustness of 3D Object Detectors in Autonomous Vehicles

Advisor: Prof. Ziming Zhang
PhD Mentor: Yiqing Zhang

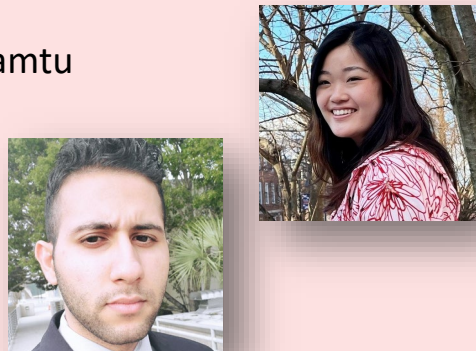
Kevin Wang, University of Virginia
Rebecca Dollahite, University of Virginia



Time Series Classification for Real-Time Feedback in Brain Computer Interfacing Video Game

Advisor: Prof. Erin Solovey & Prof. Rodica Neamtu
PhD Mentor: Chris Micek
PhD Mentor: Max Chen

Khashayar Hatami, Univ. of South Florida
Maya Liao, WPI



Brain Breaks Recommender

Advisor: Prof. Ali Yousefi
PhD Mentor: Mohamed Belyamani & Reza Saadati Fard

Amy Xuan, Wellesley College
Eric Schuman, WPI
Bushra Maryam, NED University of Eng. & Tech



A Hybrid Deep Learning-Based Feature Selection Approach for Supporting Early Detection of Long-Term Behavioral Outcomes in Cancer Survivors

Advisor: Prof. Chun-Kit (Ben) Ngan

Tracy Huang, Amherst College
Madelyn Marcotte, WPI
Benjamin Cabrera, Arizona State Univ.



Incorporating Discrete Features in Generative Models for Contextual Synthesis of Human Activity Data

Advisor: Prof. Elke Rundensteiner
PhD Mentor: Walter Gerych
MS Collaborator: Josh DeOliveira

Aruzhan Koshkarova, WPI

