

The Business School

POSTER SESSION, 9:30am to 12:00pm

Unity Hall 420

Analyzing NFL Managerial Performance Using Sports Data

Evan Bettencourt (BU, MA)

Advisors: Kenny Ching, Randy Paffenroth (MA)

App X Application Proof of Concept

William Doyle (CS), Amitai Erfanian (CS),

Katelyn Tropeano (BU)

Advisors: Robert Sarnie, Wilson Wong (CS)

Automatic Flying Disk Inventory

Matthew Adam (IE, ME), Benjamin Antupit (RBE),

Claire Higginson (RBE)

Advisors: Greg Lewin (RBE), Walter Towner

Sponsor: Maple Hill Disc Golf

Botanical Conservatory for Aldus C. Higgins House Estate

Morgan Collins (AE), Megan Haley (MGE)

Advisors: Jim Ryan, David Samson, (HUA),

Steven Van Dessel (CEAE)

Building the Stride Score App for Informed Education and Career Decisions

Pooja Kawatkar (CS), Dang Nguyen (MIS),

Kseniia Romanova (CS)

Advisors: Jim Ryan, Rob Sarnie, Wilson Wong (CS)

Sponsor: Stride Funding

Creating a Minimum Viable Product for Worcester Red Sox's Enterprise Mobile Application

Mohamed Barry (CS), Miguel Duran (IE),

David Rosenstein (CS)

Advisors: Marcel Blais (MA), Sara Saberi,

Rob Sarnie, Wilson Wong (CS)

Sponsor: Worcester Red Sox

Creating a Project Engagement Portal for WPI Students

Brian Fox (MIS), Caroline McLaughlin (MIS, PW)

Advisors: Kevin Lewis (PW), Jim Ryan

Design and Prototype of a 5-DoF Robotic Surgical Instrument

Cameron Crane (BME, RBE), Calvin Page (ME, RBE),

Nick Johannessen (ME, RBE), Josh Kleiman (IE, ME)

Advisors: Sharon Johnson, Sajid Nisar (Kyoto University), Adam Powell (ME), Yihao Zheng (ME)

Sponsor: Kyoto University of Advanced Science

Development of a Working Prototype and Field Test of Pillar, a Solution to the Medication

Non-Adherence Problem

Michael Akstin (CS), Walter Giardina (BU),

Tara Desrochers (ECE), Serena Mower (CS),

Andrew Sosa (CS), Grace Stevens (ECE)

Advisors: Stephen Bitar (ECE), Michael Engling (CS),

Edward Gonsalves, Walter Towner

Sponsor: Raymond Ranellone, Walter Towner

Equitable Employment Solutions: Enhancing Skills Matching for Marginalized Groups

Sasha Daraskevich (DS), Ben Erwin (IE),

Mikaela Milch, (CS, DS), Nolan Willoughby (IE)

Advisors: Daniel Reichman, (CS), Andrew Trapp,

Marcela Vasconcellos (DS)

Sponsor: Intrare

Evaluating the Effects of Suicide Risk Screening on Emergency Department Workflow

Katee Harrington (IE), Kirsten Harrod (IE),

Elijah Kennedy (IE)

Advisor: Sharon Johnson

Sponsor: Edwin Boudreaux

FCAT - Testing Public APIs for Next Generation Platform

Aidan MacNevin (CS), Drew Plunkett (MGE),

Rusen Sabaz (CS)

Advisors: Mehuel Bhatia (ME), Rob Sarnie,

Wilson Wong (CS)

Sponsor: Fidelity Center for Applied Technology

Fidelity: Customer Data Exploration and Analysis with a Geo-Spatial Focus

Janette Jerusal (DS), Jack Lafond (DS),

Sandra Phan (MIS, DS)

Advisors: Marcel Blais (MA), Jim Ryan, Robert Sarnie

Sponsor: Fidelity

Improvement to Site Selection and Due Diligence Process for Affordable Housing Projects in Worcester

Philip Bui (CS), Hasan Gandor (CS), Jack Hoover (CE),

Tyler Jordan (IE)

Advisors: Matthew Ahrens (CS), Suzanne LePage (CEAE),

Sara Saberi, Robert Sarnie

Sponsor: Worcester IS FAB Lab

Improving Machine Utilization at Sjogren Industries

Conor McGonigle (IE), Henry Sniezek (IE),

Christian Varela (IE)

Advisor: Renata Konrad

Sponsor: Sjogren Industries, Inc.

Integrating Generative AI into User Centered Design Approach

Veronica Deer (MIS)
Advisor: Bengisu Tulu

Integration of Environmental Social Governance (ESG) into Turner Construction Company's Supply Chain

Nicholas Battaglini (CE), Eugena Choi (EVE, EVS), Hannah George (BU, EVS), Jailyn Medeiros (AREN), Adam Tedesco (CE), Dreivone Townsend (AREN)
Advisors: Laila Abu-Lail (CE), John Lindholm, Jessica Rosewitz (CEAE), Elisabeth Stoddard (IGS)
Sponsor: Turner Construction Company

Looking Forward in the Chinese Real Estate Market

Shuailin Wang (BU)
Advisor: Walter Towner

Optimization of Tool Wear Versus Tool Change at Affordable Interior Systems

Phillip Cass (IE, ME), Ryan Martin (MGE)
Advisors: Christopher Brown (ME), Walter Towner
Sponsor: Affordable Interior Solutions

Optimizing Croi Platform: An Evaluation and Enhancement of the Croi Platform in High School Environments

Nicolas Gronda (MGE)
Advisors: Sandhya Balasubramanian, Rosanna Garcia
Sponsor: Croi, Inc.

Organizational Resiliency and Small and Medium Enterprises in New Zealand

Joel Brunzell (BU)
Advisors: Michael Elmes, Ingrid Shockey (EVS)

Post-Disaster Aid Distribution

Max Anderson (DS), Brock Dubey (DS), Kaycie Lam (MA), Madelyn Marcotte (DS), Justin Vo (DS, MIS)
Advisors: Andrew Trapp, Bengisu Tulu, Özge Aygül (DS)

Process Automation & Data Matching

Chase Goings (MIS), Griffin Curley (MA), Mirandi McCormick (CS)
Advisors: Marcel Blais (MA), Rob Sarnie, Wilson Wong (CS)
Sponsor: Micronotes

Rich Embedded Finance Solutions for Colleges and Students

Andrei Bornstein (CS), Nikola Grozdani (CS), Zach Newberg (BU)
Advisors: Rob Sarnie, Wilson Wong (CS)
Sponsor: Citizens Bank

Saint-Gobain Abrasives: Optimizing the Production Process in Bond Plant 7

Ryan Biberon (MGE), Andrew Lufkin (MGE), Stephen MacDonald (MGE), Giancarlo Orlandi (MGE)
Advisor: Walter Towner
Sponsor: Saint-Gobain Abrasives

Selection Criteria for Deployment of Collaborative Robots

Nikolaos Diakides (MGE), Jose Tamariz (IE, RBE), Francisco Yanes Gorbea (IE), Fangle Zhao (IE)
Advisor: Walter Towner

Tool Change Process Improvement at AIS

Kaitlyn Byrum (IE), Benjamin Chaves (IE), Haley Gilbert (IE), Raman Kaushik (IE), Matthew Wofford (MGE)
Advisor: Walter Towner
Sponsor: Affordable Interior Systems

UMass MIH Program: Preparing for Growth with Data Analysis

Shannon Reno (IE), Sarah Spencer (IE), Maryka Tousignant (IE), Adrianna Yuen (IE)
Advisor: Sharon Johnson
Sponsor: University of Massachusetts Memorial Hospital

Using Social Network Analysis to Understand Spontaneous Volunteerism after a Disaster

Leonardo Coelho (IE)
Advisor: Renata Konrad

Visualizing Policy Compliance for Enhanced Cloud Governance

Ryan Saklad (BU), Will Huang (CS), Ryan Kornitsky (CS)
Advisors: Rob Sarnie, Wilson Wong (CS)
Sponsor: State Street

Wearable Biometric Monitoring for Collegiate Soccer Athletes

Evan Brady (BME), James Carmody (ME), Krish Patel (ECE), Jennifer Russo (MGE)
Advisors: Taimoor Afzal (BME), Mehul Bhatia (ME), Bashima Islam (ECE), Walter Towner