2024 Summer Research Experiences Joint Events – Exploring Career Trajectories

Dr. Sarah Boehm
Research Operations & Professional Development Director
Penn State MRSEC - Center for Nanoscale Science
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Sarah works to streamline the daily operations of a multi-million-dollar grant and improve the impact of research conducted at the Center for Nanoscale Science. She also focuses on both individual and group professional development programming for graduate students and postdocs who work with the Center.

Dr. Ash Idrisy
Owner: Eden Analytics + Stay-at-home Dad
ash@eden-analytics.com

Ash helps his clients understand their customer data and the technologies they are using to collect that data. The goal of this work is to improve customer satisfaction and grow revenue. His role is best categorized as a business analytics consultant or business intelligence analyst. His own business is about a year old, with most initial clients in Sports but expanding into Retail. The business is a work in progress as much time is currently spent raising three rambunctious kiddos.
Sonya Miller
Weather and Climate Data Scientist, xarvio Digital Farming Solutions, BASF
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Sonya applies both simple and complex statistics to very large datasets to better understand relationships and trends that inform decision making and help characterize the uncertainties in meteorological data (both instrumental and numerical model outputs). Working with wide and varied collaborative teams of people, she takes existing tools and techniques and uses them in novel ways to visualize the relationships.

Dr. Cindy Reed
Director of Graduate and Postdoc Equity, Associate Teaching Professor
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Cindy supports graduate students through onboarding programs, professional development, inclusive community building, and mentoring opportunities. Currently, she also advises the Graduate Women in Engineering (GradWIE) student organization and serves as a co-advisor for the Multicultural Engineering Graduate Association (MEGA).

Dr. Max Wetherington
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Assistant Research Faculty, Materials Characterization Laboratory (MCL)

Max provides molecular spectroscopy education and research support.

Director of MRI Undergraduate Fellowship, Materials Research Institute (MRI)

Max developed a program that provides 1st/2nd year undergraduates with research opportunities to work directly with staff scientists in user facilities at MRI.

Research Group Manager (Dr. Josh Robinson Lab)
Max advises post-docs, graduate students, and undergraduates on safety, lab operations and research.