

2023 Summer Workforce Development

Workforce Development Program

The IUCRC BRAIN host programs during summer educating and training students to meet technical and scientific needs in science and the Neurotechnology industry, building skills and experiences with leading faculty.

Research Experience and Mentoring (REM): Designed to advance scientific progress in research and innovation while broadening participation of underrepresented groups in STEM fields by including high school students and K12 STEM teachers in research.

NSF REM Supplement Award # 2137255

Research Experience for Undergraduates (REU Site, Neurotechnologies to Help the Body Move, Heal and Feel Again): The program is designed to inspire bright and motivated undergraduates to pursue graduate education and careers in science and engineering research since 2018.

NSF REU Site Award # 2150415

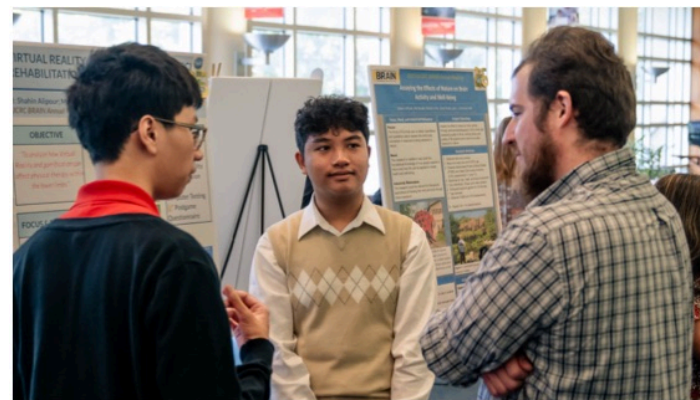


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2023 Summer STEM Outreach at the Children Museum – Houston, Texas



REU student Natalie Linde (center) with two participants during mobile brain-body imaging at the Children's Museum - Houston.



2023 IUCRC BRAIN Trainee Symposium



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"I had the pleasure of leading an IUCRC BRAIN CENTER outreach event at the Houston Children's Museum alongside [REU, right] Alana Maluszczyk and [REM, center] Sydney Jeffcoat. After weeks of training, our volunteers used EEG to display the brain activity of over 20 children.

Great job, team :)"

-Natalie Linde (University of Houston), 2023 Summer REU trainee (first from left)

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"It was my first ever summer research opportunity, and it was an incredibly educational experience. I learned a great deal about both neuroscience and engineering, with a special emphasis on machine learning."

"ML is a field that I've always been interested in, but never knew where to start; your lab provided me with a fruitful introduction and I will continue to explore the field in the future. Thank you again for this incredibly educational experience."

-Al Gardner (U.S. Army Veteran; Columbia University), 2023 REU trainee

Workforce Development

"Thrilled to share my enriching summer research internship at the IUCRC BRAIN CENTER University of Houston! Over the past ten weeks, I've had the opportunity to dive deep into traumatic brain injuries using multimodal assessments.

I'm grateful for the chance to collaborate with such a diverse and supportive team. The exchange of perspectives that included integration of machine learning, virtual reality, and industrial design not only enriched my project, but also deepened my appreciation for research and engineering. "

-Joy P Agus (Arizona State University), 2023 REU Trainee

