University of Arkansas (UARK) AI SUSTEIN 2023 Summer Research Experiences for Undergraduates (REU) Program

UARK has recently been awarded a multiyear NSF Track-2 RII program "RII Track-2 FEC: Artificial Intelligence on Sustainable Energy Infrastructure Network (AI SUSTEIN) and Beyond towards Industries of the Future". This summer, the AI SUSTEIN program will offer an undergraduate research experience program at UARK with a focus on AI applications in a variety of Science, Technology, Engineering, and Mathematics (STEM) and business areas, such as industrial engineering, computer science, electrical engineering (power systems). This program is intended to provide a coordinated, educational and dynamic research environment to promote undergraduate research, especially for minority students such as students from tribal colleges (TCs), minority-serving institution (MSIs), and Hispanic serving institutions (HSIs).

WHERE:
- University of Arkansas - Fayetteville, in Fayetteville, AR.

WHEN:
- The program runs for 8 weeks from June 5th to July 28th, 2023.

WHO:
- Undergraduate students who are currently enrolled in a degree program at a college or university and will not graduate before December 2023.
- Must be a U.S. citizen or permanent resident.
- Preference will be given to female students and minority students from tribal colleges (TCs), minority-serving institutions (MSIs), and hispanic serving institutions (HSIs), etc.

BENEFITS:
- Participants will receive a stipend of $500/week (total of $4,000 for an 8-week program).
- On-campus housing will be included.
- Meal allowance of $25 per day for 8 weeks (total $1,400 for 56 days).
- Travel supports up to $700 upon request.

APPLY AND DEADLINE:
- Submit the application through the link below: https://www.nsfetap.org/award/177/opportunity/643 Or email the completed application form with two reference letters to Dr. Haitao Liao at liao@uark.edu using the subject title "AI SUSTEIN REU Application".
- Applications must be received by 02/10/2023 for full consideration.

RESEARCH PROJECT:
This year's AI SUSTEIN Program led by UARK with collaborators from North Dakota State University (NDSU), University of Nevada - Las Vegas (UNLV), and Nueta Hidatsa Sahnish College (NHSC), will create opportunities for collaborative research, workforce development, and education to investigate the potential of Artificial Intelligence (AI) as a driving force for bringing about radical changes to the modeling and operations of critical infrastructures and industries.
Program mentors at UARK include:
- Dr. Haitao Liao (Professor, industrial engineering)
- Dr. Edward Pohl (Professor, industrial engineering)
- Dr. Xiao Liu (Assistant professor, industrial engineering)
- Dr. Alan Vazquez (Assistant professor, industrial engineering)
- Dr. Xintao Wu (Professor, computer science)
- Dr. Thi Hoang Ngan Le (Assistant professor, computer science)
- Dr. Roy McCann (Professor, electrical engineering)
- Dr. Yue Zhao (Associate professor electrical engineering)

EXPLORE:
In addition to the research experiences, this program will also have a variety of extracurricular activities such as professional development workshops, seminars, and social activities to enrich your experiences and explore the great Northwest Arkansas community! For more about NW Arkansas, please visit: https://northwestarkansas.org/

CONTACT:
For additional information, please feel free to contact Ms. Kirstin Saulsbury (kirstin.saulsbury@ndsu.edu) and/or Dr. Haitao Liao (liao@uark.edu).

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