Learning, Exploration, and Application for Prospective Engineering Students

2023 Summer Camps at KU

Session Dates

June 12-17 (CS/AI)   June 19-23 (Math/AE)
July 10-14 (Math/AE)   July 17-21 (CS/AI)

Arrival for all camps is Sunday at 4pm. Departure is Friday at 5 pm

We have planned a fun-filled approach to Engineering where students learn by doing!

Our summer camps will have hands on projects in each session. All sessions are week long on campus residential camps at KU. Students will be housed in a dorm with a full meal plan. Each camp has two focus areas: Math & Aerospace Engineering or Computer Science & Artificial Intelligence.

There is **NO COST** to attend these camps (other than transportation to/from campus). Computers will be provided during classes for those who do not have laptops. Funding for this program is provided by the National Defense Education Program (NDEP) in Science, Technology, Engineering, and Mathematics (STEM), Biotechnology, and Enhanced Civics Education.

Application open for incoming Juniors and Seniors

TEACHERS

Spots are open for High School teachers for all sessions. Housing, enrollment and meals are provided at no cost. Teachers will be provided necessary educational material to transfer the UAV and RC car-based AI educational programs into their high school curriculum

Apply using this link

FOCUS AREAS

Math
Learn basics of linear algebra and probability, two necessary mathematical tools for deep learning and artificial intelligence.

Computer Science (CS)
Learn the fundamentals of optimization algorithms and computer code, which are critical for computations in deep learning and artificial intelligence.

Aerospace Engineering (AE)
Learn about the basics of aircraft dynamics, control, and autonomy. Deepen your understanding through hands-on projects on unmanned aerial systems and performing actual flight tests.

Artificial Intelligence (AI)
Build an autonomous car which can drive itself using a neural network model and a front-facing camera. Learn essential basics of AI systems by training a neural network model for the autonomous car on Google Colab cloud environment and testing the trained model on the actual RC car.

APPLY TODAY

Applications accepted until April 1, 2023 Preference will be given to students and teachers from rural school districts

CReSIS
Center for Remote Sensing of Ice Sheets

REC
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