MIT Beaver Works Summer Institute
Teacher Assistant (TA) Simulated Racing Drone Programming

Job Description

MIT Beaver Works is seeking fall interns to contribute to the Beaver Works Summer Institute (BWSI) Simulated Racing Drone program. BWSI is a world class educational outreach program that challenges high school students across the country to develop robust unmanned systems using state-of-the-art autonomy algorithms and sensors. For more information on BWSI program visit: https://beaverworks.ll.mit.edu/CMS/bw/bwsi. TA’s will spend eight weeks co-instructing the courses and moderating a course chat room.

Tasks include the following:
· Co-instruction of college-level course material to top high school students from the U.S.
· Aid students in code development for autonomous drone tasks including simulated sensor processing and course navigation
· Potential of developing new challenge courses in Unreal Engine

Position Requirements:
· Current undergraduate students in Aerospace Engineering, Electrical Engineering, Computer Science, Physics, Mathematics or other technical field, coupled with the demonstrated ability to apply talents to new fields.
· Demonstrated excellence in communication skills and the ability to convey technical concepts in a concise manner to a wide spectrum of audiences
· Interest in autonomous systems, course development, and educational instruction.
· The program runs from October 14 to December 9 2023, Saturdays, from 11AM to 2 PM EST and is being held virtually.

Desired Skills:
· Experience programming in Python.
· Exposure to drone programming and simulation.
· Exposure to Unreal Engine and/or AirSim
· Exposure to Computer Vision and Machine Learning

If interested in applying fill out application at the following website: https://mit-bwsi.formstack.com/forms/beaverworks_job_application_2023

A brief resume will be needed to complete the application. For any questions please contact bwsi-admin@mit.edu.

MIT is an Equal Employment Opportunity (EEO) employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability status, or genetic information; you must be a U.S. Citizen or have authority to work in the U.S. in order to be considered for this position.