

You have already accepted this offer.

Dear **Daryl Chia Ler Choo**,

On behalf of the National Aeronautics and Space Administration (NASA), we are pleased to inform you that you have been selected for a STEM Opportunity with the **Micro-g NExT 2024 – Search and Rescue Platform for Optical Target Recognition in Micro-g NExT FY24**.

Opportunity Details

Objective:

Supporting open-ocean search and rescue situational awareness, design a stationary autonomous system capable of meeting specific functional and physical requirements.

Focus Areas and Disciplines:

Software engineering, coding, single-board computer programming, image/video object recognition & artificial intelligence, electronics circuitry

Mission Connection:

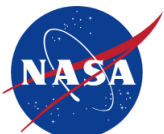
NASA has been challenged to go forward to the Moon with our Artemis Program, using Orion as the spacecraft to transport crew. During the ocean capsule landing sequence, multiple items are jettisoned from the capsule, which for safety reasons, creates a large keep-out area around the capsule landing zone. An autonomous system that is capable of imaging and identifying objects of interest while the capsule is in the water will help improve the situational awareness of Search and Rescue and response personnel. Primarily, the concepts designed in this year's SPOTR challenge will be used to identify items of interest as would be present during an unassisted egress scenario from the Orion capsule (astronauts floating wearing an underarm life preserver, astronaut multi-person life raft, etc).

Complete application submission with proposals are due Oct. 10, 2023. Full challenge description including technical requirements and proposal guidelines can be accessed on the Micro-g NExT website <https://go.nasa.gov/micrognext>. NASA only requires one person to submit a proposal on behalf of an undergraduate team for the challenge.

If you do not respond by 12:00 am, Eastern Standard Time (EST) on **November 22, 2023**, this award offer will be withdrawn.

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