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2023 Summer Internship with Collins Aerospace – An ISGC Pilot Program

Deadline: February 17, 2023, by 6:00 pm

Purpose:

The ISGC is pleased to announce the initiation of a pilot program with Collins Aerospace, our industrial affiliate, for summer 2023 placement in Connecticut. The internship will last at least 10 weeks. A virtual experience is an option but is not preferred.

Project Title and Description: *Space Station Machine Learning Life Support Systems*

Develop and train a machine learning model that can forecast the remaining useful life of one or more components in the International Space Station Life Support Systems provided by Collins Aerospace. This work is a critical component to NASA's upcoming missions and helps advance space research.

Eligibility:

- U.S. citizen
- Full-time enrollment at DMACC, Drake, ISU, Loras, Morningside, UI, or UNI as of August 2023
- Graduation date no earlier than May 2024
- Majoring in STEM disciplines (Computer Science preference with Python programming experience)
- Good academic standing (minimum 3.0/4.0 GPA)

To Apply:

- Complete the [Collins Aerospace internship application](#)
- Upload your most recent unofficial transcript (unprotected and unsecured PDF)
- Upload resume with contact information
- Females, under-represented minorities, persons with disabilities, and U.S. military veterans are strongly encouraged to apply.

Selection:

Collins Aerospace will select the best candidate in consultation with the ISGC. Funding is competitively awarded based on submission of a complete application including academic qualifications with resume and unofficial transcript submission.

The awardee will be required to provide an unofficial transcript upon graduation and agree to participate in a NASA longitudinal tracking process that surveys student progress and eventual employment outcome to help assess the effectiveness of our program and STEM retention efforts.

This online announcement is available on the ISGC website:

<https://www.iaspacegrant.org/internship-opps/>.