

Intuitive Machines TSU STEM Student Fall 2024 Internship:

Participants will be selected for an onsite internship experience with Intuitive machines during the fall 2024 semester. Job descriptions are attached in the back. Paid stipend will be provided by TSU for the fall semester in a 10-week paid experience at Intuitive Machines LLC, in Houston, TX. Details will be given on an individual basis. Please sign, scan, and send these forms to Alamelu.sundaresan@tsu.edu

Deadline: Program commences October 1, 2024, and ends ten weeks thereafter. <https://www.intuitivemachines.com/>

You will be contacted, interviewed, and notified before September 20th and information and instructions will be e-mailed once this packet is received and reviewed.

Stipend to be paid according to the following schedule:

- a. Fall ten-week Internship-\$6000.00 (paid in two installments of \$3000.00 each if requirements are met. Requirements and instructions will be distributed at the start of the program. Twenty hours per week.

REQUIREMENTS:

1. Must be a U.S. citizen or a permanent resident.
2. Must have and maintain a GPA at or above 3.3/4.0. Strong Justification needed otherwise
3. Must be either a junior or senior.
4. Electrical and Computer Engineering majors preferred for this round

APPLICATION INFORMATION:

Please Submit

1. Completed Application form
2. Two completed recommendation forms.
3. Current Resume
4. Official transcript (you may send an unofficial copy to expedite the application review, and upon provisional acceptance arrange for the official one to be sent)
5. List other internships and positions held including funding agency, if paid or voluntary and hours committed including Fall 2024.
6. Update of accomplishments-abstracts, presentations, society memberships etc

Please put all this information in one document in order requested.



**All please SUBMIT COMPLETED
PACKETS TO BY XXXX via email:**

Dr. Alamelu Sundaresan, Professor and Chair
(Int)

Department of Biology
Texas Southern University
3100 Cleburne Street
Houston, TX 77004

All applications will be reviewed when all requested items are received. For additional information you may contact Dr. Sundaresan, at 713-313-7222 or via email at sundaresana@tsu.edu. To check the status of your application, you may contact Ms. Helen Pittman-Cockrell at 713-313-7005 or via email at.

Intuitive machines LLC & TSU
STEM Student Internship

APPLICATION

NAME _____

Mailing Address _____
(City) (State) Zip

Permanent Address _____
(City) (State) Zip

Telephone Number _____ School ID# _____

E-mail Address: _____

Race (Optional): African American White Hispanic Asian Native American Other

Gender Male Female

U.S. Citizen? Yes No

EDUCATIONAL INFORMATION

1. Major: _____

2. Classification: Sophomore Junior Senior

3. # of Semester Hours Currently Enrolled _____

4. # of Hours Completed _____

5. Current GPA: _____

6. Anticipated Graduation Date: _____

7. Previous Research Experience: _____

8. Future plans (after graduation): _____

9. How did you hear about us? _____

Signature _____ **Date:** _____

Avionics Intern - Aerospace Engineering

Location: Houston, TX

Duration: Fall 2024 (August – December)

About Intuitive Machines:

Intuitive Machines is an innovative and cutting-edge space company making cislunar space accessible to both public and private customers. Our mission is to further science and exploration, communications, and economic progress from the Earth to the Moon and beyond. With the first commercial lunar landing in history, multiple NASA lunar missions in development, and additional private missions on our manifest, we pride ourselves in supporting our customers and the nation in paving the way to return humans to the surface of the Moon. Our world-class team includes experts in all aspects of spacecraft subsystems design, development, and test, on-orbit operations, and safety.

Internship Overview:

Intuitive Machines is seeking a dynamic and detail-oriented individual to join our team as an Avionics Intern. This internship is designed for students pursuing degrees in electrical engineering, aerospace engineering, or a related field. As an Avionics Intern, you will play a role in the development and integration of avionics systems for aerospace applications. Under the supervision and mentorship of other engineering teammates you could potentially expect some of the following:

Key Responsibilities:

1. Assist in the setup and execution of tests for avionics systems, including functional, environmental, and reliability testing.
2. Contribute to the design and layout of PCBs for avionics applications, ensuring adherence to industry standards and project specifications.
3. Work on the design and testing of wiring harnesses, ensuring proper functionality and durability in aerospace environments.
4. Collaborate with experienced engineers to integrate avionics components into larger aerospace systems, ensuring seamless functionality.
5. Identify and resolve issues in avionics systems, utilizing problem-solving skills to ensure optimal performance.
6. Maintain accurate and detailed records of design, testing, and integration activities to ensure comprehensive documentation.
7. Adhere to safety protocols and guidelines during testing and integration activities to maintain a secure working environment.

Qualifications:

1. Currently enrolled in a bachelor's or master's degree program in electrical engineering, aerospace engineering, or a related field. Certifications & related coursework/background also welcome.
2. Strong interest in avionics systems, electrical design, and aerospace technology.
3. Familiarity with PCB design tools and software or related coursework experience.
4. Understanding of wiring harness design principles and testing procedures or related coursework experience.
5. Hands-on experience with electrical testing equipment.
6. Effective communication and teamwork abilities.

Benefits:

1. **Hands-On Experience:** Gain practical experience in avionics design, testing, and integration for aerospace applications.
2. **Professional Development:** Learn from experienced professionals in the aerospace industry, expanding your knowledge and skillset.
3. **Networking Opportunities:** Build valuable connections within the aerospace community and participate in company events.
4. **Career Guidance:** Receive mentorship and guidance from seasoned professionals, helping shape your future career path.

US EEO Statement

Intuitive Machines is an Equal Opportunity employer. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected veteran status, age, or any other characteristic protected by law.

Avionics Intern - Aerospace Engineering
Location: Houston, TX
Duration: Fall 2024 (August – December)

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Internship Overview:

Intuitive Machines is seeking a dynamic and detail-oriented individual to join our team as an Avionics Intern. This internship is designed for students pursuing degrees in electrical engineering, aerospace engineering, or a related field. As an Avionics Intern, you will play a role in the development and integration of avionics systems for aerospace applications. Under the supervision and mentorship of other engineering teammates you could potentially expect some of the following:

Key Responsibilities:

1. Assist in the setup and execution of tests for avionics systems, including functional, environmental, and reliability testing.
2. Contribute to the design and layout of PCBs for avionics applications, ensuring adherence to industry standards and project specifications, working closely with firmware/coding aspects of hardware/software integration.
3. Work on the design and testing of wiring harnesses, ensuring proper functionality and durability in aerospace environments.
4. Collaborate with experienced engineers to integrate avionics components into larger aerospace systems, ensuring seamless functionality.
5. Identify and resolve issues in avionics systems, utilizing problem-solving skills to ensure optimal performance.
6. Maintain accurate and detailed records of design, testing, and integration activities to ensure comprehensive documentation.
7. Adhere to safety protocols and guidelines during testing and integration activities to maintain a secure working environment.

Qualifications:

1. Currently enrolled in a bachelor's or master's degree program in electrical engineering, aerospace engineering, or a related field. Certifications & related coursework/background also welcome.

2. Strong interest in avionics systems, electrical design, and aerospace technology with firmware/coding background in C/C++, Assembly, etc.
3. Familiarity with PCB design tools and software or related coursework experience.
4. Understanding of wiring harness design principles and testing procedures or related coursework experience.
5. Hands-on experience with electrical testing equipment in coursework or related.
6. Effective communication and teamwork abilities.

Benefits:

1. **Hands-On Experience:** Gain practical experience in avionics design, testing, and integration for aerospace applications.
2. **Professional Development:** Learn from experienced professionals in the aerospace industry, expanding your knowledge and skillset.
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