

Graduate Research Assistant  
Michigan Technological University

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Posted Aug. 5, 2025, set to expire Dec. 5, 2025

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|-----------------------------|---|
| <b>Job Title</b>            | Graduate Research Assistant   |
| <b>Department</b>           | Mechanical Engineering - Engineering Mechanics<br><a href="https://www.mtu.edu/mechanical-aerospace/">https://www.mtu.edu/mechanical-aerospace/</a> |
| <b>Institution</b>          | Michigan Technological University<br>Houghton, Michigan   |
| <b>Date Posted</b>          | Aug. 5, 2025  |
| <b>Application Deadline</b> | Sep. 1, 2025  |
| <b>Position Start Date</b>  | Available immediately   |
| <b>Job Categories</b>       | Graduate Student  |
| <b>Academic Field(s)</b>    | Mechanical Engineering  |

**Apply By Email**

**Job Description**

**Position Opening: Fully Funded PhD student**

We are seeking a highly motivated graduate student for a research position focused on developing marine energy systems. Below are the details of the opening. Those who have an interest in the position, please feel free to contact Dr. Zou ([shangyan@mtu.edu](mailto:shangyan@mtu.edu)).

**Position Details:**

- **Title:** Graduate Research Assistant
- **Expected Starting Time:** 9/1/2025
- **Number of Openings:** One (1)
- **Department:** Mechanical and Aerospace Engineering
- **Research Area:** Wave Energy, Underwater vehicle, Hydrodynamics modeling, Control,

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Hardware Fabrication

**Qualifications:**

1. Enrolled in a Master's or PhD program in a relevant field.
2. Strong programming skills in Matlab and ANSYS, or similar languages preferred.
3. Strong Hands-on experience including mechanical fabrication, real-time control using Arduino, smart materials.
4. Excellent communication skills.

**Contact Information:** Dr. Shangyan Zou, [shangyan@mtu.edu](mailto:shangyan@mtu.edu)

**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Dr. Shangyan Zou, Assistant Professor  
Mechanical Engineering - Engineering Mechanics  
Michigan Technological University  
Houghton, MI

**Phone Number** 906-487-2129