

Temporary Robotics Research Engineer Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=263207>

Downloaded On: Sep. 30, 2025 5:46pm

Posted Sep. 30, 2025, set to expire Jun. 30, 2026

Job Title	Temporary Robotics Research Engineer
Department	Robotics Engineering
Institution	Worcester Polytechnic Institute Worcester, Massachusetts

Date Posted	Sep. 30, 2025
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Application Deadline	Open until filled
Position Start Date	Available immediately

Job Categories	Research Scientist/Associate
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Academic Field(s)	Robotics
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Job Description

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JOB TITLE

Temporary Robotics Research Engineer

LOCATION

Worcester

DEPARTMENT NAME

Robotics Engineering - JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

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WPI is seeking to fill a temporary position of Robotics Research Engineer to set up a modular pick-generation pipeline that operates directly on the overhead RGB-D camera available in the lab. The input to your pipeline will be an RGB-D image, and the output should be a 3D pick location (x, y, z) relative to the robot's coordinate frame. You can assume that the scene contains objects from the YCB dataset.

JOB DESCRIPTION

The currently implemented approach works as follows:

- First, a segmentation model such as LangSAM is used to extract object masks from the RGB-D image.
- These masks are then passed to a grasping model (e.g., AnyGrasp) which estimates a 6D grasp pose for each detected object.
- You should extract and output the x, y, z, and theta for the highest-confidence grasp and visualize it on the input image.

FLSA STATUS

United States of America (Non-Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals from all backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Temporary-Robotics-Research-Engineer_R0003277

About WPI

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Diversity & Inclusion at WPI

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WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

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Contact Information

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

Contact

N/A

Worcester Polytechnic Institute

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