

Position Summary:**Title:** Research Assistant**Hours per Week:** 10 hours/week**Department:** Engineering**Location:**

Portland
 Gorham
 LAC
 Online/Distance

Duration:

Full 2024-2025 Academic Year*
 Fall 2025 Semester*
 Spring 2024 Semester*
 Summer Semester

**This position is for 4 semesters: Spring 2024, Fall 2024, Spring 2025, Fall 2025.*

Total Stipend: \$9,000**Monthly Stipend:** \$500**Scholarship Amount:** \$1,500 per semester (in-state and out-of-state) x 4 semesters = \$6,000**Supervisor Name:** Amir Kordijazi**Supervisor Email:** amir.kordijazi@maine.edu**Supervisor Phone:** 207-780-5447**Position Details:****Statement of Job and Essential Functions:**

The research assistant will participate in a funded project supported by the Maine Economic Improvement Fund (MEIF). The project aims to establish a self-driving laboratory for digital manufacturing. The student's role will involve both computational and experimental aspects of the project. The following are the activities in which the student will be involved:

- Creating software including artificial intelligence algorithms and setting up hardware and for the autonomous laboratory.
- Engaging in tasks such as sample preparation, routine testing, cleaning, and organizing supplies and materials, as well as maintaining research facilities.
- Collaborating closely with other research assistants.
- Taking responsibility for presenting research progress updates during our regular weekly meetings with the entire group.
- Contributing to the dissemination of project results through publications in scientific journals and presentations to public communities and future partners.

Supervisory Responsibilities:

Collaborating closely with other research assistants and supervising one undergraduate researcher in the project

Budget Responsibilities:

N/A

Public and Professional Activities Related to Job Performance:

Graduate Assistantship Job Description

Contributing to the dissemination of project results through publications in scientific journals and presentations to public communities and future partners.

Internal Contacts:

Amir Kordijazi

External Contacts:

N/A

Knowledge, Skills, and Abilities:

- Proficiency in computer programming and machine learning programming.

Required Qualifications:

Must not be a University of Maine System employee.

Current degree-seeking graduate student at USM

Enrolled in at least six graduate credits per semester (Spring 2024 – Spring 2026)

Preferred Qualifications:

- Knowledge in programming microcontroller board e.g., Arduino is a plus.
- Experience in operating 3D printers is a plus.
- Preference given to candidates from computer science program.

To Apply:

Submit your resume and cover letter via email to Amir Kordijazi (amir.kordijazi@maine.edu).