Graduate Assistantship Job Description

Position Summary:

Title: Research Assistant   **Hours per Week:** 10 hours/week

Department: Engineering

Location:

___ Portland   _X_ Gorham   ___ LAC   ___ Online/Distance

Duration:

___ Full Academic Year   _X_ Fall 2025 Semester

___ Summer Semester   _X_ Spring 2025 Semester

Total Stipend: $4,500

Monthly Stipend: $500

Scholarship Amount: $1,500 per semester (in-state & out of state) x 2 semesters = $3,000

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:
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 2025 – Fall 2025)

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).