

INDIVIDUAL STUDY REQUEST

Department of Mechanical & Aerospace Engineering

☐ EAS 4905 (Aerospace)

☒ EML 4905 (Mechanical)

Please fill out this form **COMPLETELY**, after getting the signature from the UF Faculty Member **whom** you will be doing the individual study work, return this form to the Undergraduate Student Services at advising@mae.ufl.edu.

(In order to receive credit your research must be completed with a UF faculty member. If you are doing research with someone else, you must meet with the MAE Undergraduate Coordinator)

Semester: ☐ Fall _____ ☒ Spring 24 ☐ SumA ☐ SumB ☐ SumC _____ Credits [1-3] 3
(Note: You may register for up to 6cr of 4905 during your study here at UF as an undergraduate, but no more than 3cr for any one project):

Student Information:

Name: Joseph Hill UFID#: 3305-7097


Phone: (727) 492-7320 Gatorlink E-mail: joseph.hill@ufl.edu

Student Signature:  Date: 9 Oct 2023

UF Faculty Member Information:

Name: Michael Griffis E-mail: mwg@ufl.edu

Department: MAE Phone: 352-392-9473

Faculty Signature:  Date: 9 Oct 2023

Scope of Work: *(short statement by the professor describing academic activities involved ~ including a list of deliverables due during the term)*

Calibrate an industrial robot using a high resolution force torque sensor
attached to the end of the robot. Design the end-effector. Attach to
robot. Collect and analyze data. Propose new calibration for robot.
Repeat and quantify goodness of result.