



# WPI

**ROBERT A. FOISIE**  
SCHOOL OF BUSINESS

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Walker Magnetics Group Inc.  
60 Solferino St  
Worcester, MA 01604  
(800) 962-4638

Walker Magnetics is an industry leader in designing and manufacturing a variety of permanent, electromagnetic, and electro-permanent magnet products. Our lifting magnetics can use for handling pipes, slabs, coils, rails, radio active material and several other applications. We deliver our product line to over 190 countries worldwide.



Walker Magnetics is seeking assistance in development of a inspection checklist used to conduct OSHA mandated crane inspection by a outside parties. The checklist must then be converted into a mobile app users conduct field inspections with ease. Knowledge of document procedure to do field inspections of magnetic lifting equipment is key. Also the ability to develop a user friendly app for field inspection is necessary.

The company needs 2 engineers to work as a team consisting of a mixture of graduate & undergraduate students, to work about 10 hours each week. Most of the work may be done on campus after an initial meeting at the company. Weekly reports and a summary presentation are required at the end of the project.

Civil Engineers– gain understanding of OSHA standards for magnetic lifting equipment  
Computer Science– Develop app, survey field inspectors

**WPI Center for Innovative Manufacturing Solutions** [www.wpi.edu/+centerforIMS](http://www.wpi.edu/+centerforIMS)



The project timeline begins in September and should be completed before November 30, 2016. Students will be selected by a brief interview process with the company and should have the following qualifications.

*You should be able to describe why you would be a good match for this paid consulting assignment.*

CS/MIS Students:

1. Interest in Project
2. Customer Interaction Skills
3. App Configuration Skills
4. Basic Research and Organizational Skills
5. Ability to do Internet, Phone, and other basic Searches
6. Presentation Skills
7. Availability Minimum 10 Hrs./Week

**You will work in a team with the goal of providing actionable advice to the company.**

If you are interested please email mic-admin@wpi.edu and include a letter explaining why you are a good candidate for one of these positions.

**Undergraduates earn \$14 to \$18/hour.**

**Initial estimate is 100 hours of work for each student.**

**Graduate/PhDs earn \$18 to \$22 per hour.**

**Initial estimate is for 50 hours for each student.**

This opportunity is open to all academically qualified students. A non-disclosure agreement is required.

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