



The Taylor Collaboration

Orthopaedic Research • Education • Innovation

The Taylor Collaboration Internship Programs

R.E.D.D.I.

Research Engineering and Device Development Internship

This internship is held during the summer months and aimed to develop the skills of engineers and researchers in the field of orthopedics. The goal of the program is to provide a structure where the participants are introduced to the equipment, methods, and concepts of orthopedic biomechanics, clinical outcomes, and device design/development.

Participants must be enrolled in, or recently graduated from, a bachelor's degree program related to the field of engineering, including Biomedical Engineering, Bioengineering and also Mechanical Engineering. During previous summers, we have provided a \$5,000 stipend for housing, transportation and meals.

Internship responsibilities include:

- Support R&D engineers on active jobs
- Complete assigned research project
- Test fixture fabrication
- Assist mock surgeries to prepare test specimens
- Test execution and data collection
- Reporting; technical reports, manuscripts, abstracts, posters
- Participation in lab clean-up
- Participation in client site visits
- Lead journal club meeting
- Availability to work in the lab Monday-Friday, 9-5pm

Each rotation will expose the intern to the following skills:

- Cadaver specimen dissection safety
- Machine shop standards
- C-arm/fluoroscopy operation
- Mechanical test fixture principles and design
- Laboratory organization and cleanliness
- CNC milling operations
- Basic surgical instrumentation
- Medical terminology
- Concepts of data acquisition
- Statistical analysis and hypothesis testing

Email your cover letter and resume for consideration to jobs@taylorcollaboration.org. Please use your name, first and last, as the file name for both resume and cover letter. Note that our application deadline for the summer REDDI program is during the preceding December.



The Taylor Collaboration

Orthopaedic Research • Education • Innovation

The Taylor Collaboration Internship Programs

M.R.R.I.

Monthly Research Rotation Internship

This internship allows for those seeking an advanced degree in a bio-related major such as Biomedical Engineering, Bioengineering, and Mechanical Engineering to get a hands on experience with a biomedical lab for a period of one month. High school students interested in mathematics, science, and engineering are highly encouraged to apply as well! This is an unpaid internship.

Internship responsibilities include:

- Test fixture fabrication
- Specimen dissection
- Data processing and analysis
- Participation in lab clean-up
- Adhere to operational task schedule
- Participation in client site visits
- Participation in journal clubs
- Availability to work in the lab up to 20 hours/week for four consecutive weeks

Each rotation will expose the intern to the following skills:

- Cadaver specimen dissection safety
- Machine shop standards
- C-arm/fluoroscopy operation
- Mechanical test fixture principles and design
- Laboratory organization and cleanliness
- CNC milling operations
- Basic surgical instrumentation
- Medical terminology
- Concepts of data acquisition
- Statistical analysis and hypothesis testing

Email your cover letter and resume for consideration to jobs@taylorcollaboration.org. Please use your name, first and last, as the file name for both resume and cover letter. Note that we look to fill MRRR positions year-round.