Mechanical/Systems Engineer
Undergraduate Researcher

Job Description
The Geochemistry and Geochemical Sensing Lab at Harbor Branch/I-SENSE is seeking an undergraduate student researcher with a strong interest designing environmental sensing systems. The candidate will design oceanographic instrumentation, including component layout and systems testing. This paid position can be based at the HBOI or Boca campus, but periodic trips to the HBOI campus (2x/month) will likely be required for logistic reasons.

Education Requirements
- 3+ years undergraduate course work in mechanical engineering, electrical engineering, ocean engineering, or related field

Technical Requirements
- Fluidic and mechanical systems level design
- 3D design/CAD/Solidworks, etc.
- Component packaging
- Basic understanding of electronics/communication interfaces
- Ability to read schematics
- Ability to measure performance of electronic/optical/mechanical components
- Ability to present designs to team
- Technical writing/documentation skills
- Basic chemistry knowledge

Other Preferred Knowledge/Skills
- Environmental sampling knowledge
- Optical measurement experience (e.g. spectrophotometry)
- Embedded electronics systems experience

This position is to start as soon as possible (as of 3/21/18)
Please contact Dr. Jordon Beckler at jbeckler@fau.edu