On behalf of the new Mechatronics and Robotics Engineering (MRE) program starting Fall 2021, the MME department will be hiring two students this summer for lab development support.

The successful candidates will assist faculty members in developing new laboratory experiments and projects for a number of MRE courses, specifically MREN 103 (Design), MREN 178 (Data Structures and Algorithms), MREN 241 (Fluid Mechanics and Fluid Power), MREN 320 (Automation: Machine Design and Sequential Control) and MREN 348 (Intro to Robotics). Ideally, the work will address the needs of all these courses, but this is likely not practical, and the work will be prioritized accordingly. This will include researching and testing new lab setups to teach core concepts, testing software and data acquisition systems, and writing related materials (i.e., lab manuals, assignment outlines, etc.).

Successful candidates will have:
- Successfully completed 3rd year in the MME or ECE program or related engineering program,
- Sound understanding of core concepts in Engineering Design, Mechatronics and/or Robotics,
- Proven strengths in instrumentation and design,
- Hands-on skills in the mechanical, electrical and/or computer engineering fields,
- Strong written and oral communication skills,
- Proven ability to work independently and in a group setting, and
- Initiative and creativity

If you are interested, please submit a cover letter, unofficial transcript and your resume by Sunday March 28th at 4:00 pm to gabrielle.whan@queensu.ca. The position will be full-time (35 hours per week) for 16 weeks (May through August) at $16/hour + vacation. You must be eligible to work in Canada. Please follow this link for more info on the MRE program: https://engineering.queensu.ca/programs/undergraduate/mre/

If you have any questions, please feel free to contact Gabrielle Whan. We appreciate all applications but only those selected for an interview will be contacted.

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