Electrical and Computer Engineering Lab Intern (Junior, or Senior)

Summer Co-op / Intern to begin May 2023 or sooner for 4 months (possibility up to seven months)

Job description:

1. Great opportunity for a varied exposure to an Engineering Research and development team to get exposure to a variety of skills, technology, and methodologies in a small development team.
2. Development of low-level embedded code and test code using ARM M4 Microcontroller
3. Run lab tests, using Oscilloscopes, DVM, decade boxes and thermal chamber.
4. Perform soldering of small Surface mount components for rework and testing.
5. Organize the results of testing for detailed analysis such as creating spreadsheets, charts, PASS/FAIL results, and follow-up with any changes
6. Research various components to help support the development of a next generation design
7. Help in the evaluation and determination of alternate parts supplies due to the global component shortages
8. Help support the team through various administrative functions such as parts ordering
9. Aid the team to performing various research tasks and performing web searches and analysis.
10. Aid the team during development with performing various schematic and PCB checklist checks such as symbol and footprint checking
11. Aid the team in routine tasks such ensuring shipping and receiving parts and inventory transactions
12. Help with mechanical prototyping and testing

Qualifications:

1. GPA > 3.0
2. Organized and talented
3. Good work ethic
4. Can carefully follow instructions
5. Good interpersonal skills