



Firmware Engineering Co-op

POSITION SUMMARY

Be a part of a dynamic team working on exciting mobile products! Zebra's cooperative education program will provide a significant work experience related to the student's field of study. The Firmware Engineering Co-op will be an integral member of the development team performing activities such as firmware and tool design, code development and debug, documentation, product test, and support firmware development, firmware options, and firmware modifications and improvements for Zebra products.

PRINCIPAL ACCOUNTABILITIES

1. Design, code, debug, and test assigned firmware, firmware improvements, and firmware modifications in a quality manner consistent with company and departmental standards and procedures.
2. Document designs and code or update preexisting documentation as appropriate with context, data flow and/or state diagrams, structure and flow charts, pseudocode, and source statement commentary.
3. Test designs or code under specified and/or reasonable conditions under which it may operate.
4. Work with engineers in Electrical and Mechanical groups to design and debug features and improvements.
5. Keep abreast of developments in the field of software languages, techniques, and methods.
6. Investigate problems and recommend solutions. Implement any required corrective action.
7. Advise and assist superiors in the design or modification of firmware.
8. Accurately estimate time to complete tasks. Upon accepting the estimates of others, complete the task to schedule in a timely manner
9. Performs other duties as assigned.

MINIMUM EDUCATION, WORK EXPERIENCE AND SKILL REQUIREMENTS

- Pursuing a degree in Computer Engineering, Computer Science, or Electrical Engineering or related fields.
- Interest and knowledge of embedded software and system design or Software tool development is highly desired.
- Must be proficient in C, Application, or Tool development and have experience with Microsoft Office products.
- Familiarity with various communication protocols, various processors, inter process communication protocols.
- Skills in OOD, Design patterns, Structured design, Design Documentation, Debugging Techniques are desired.
- Familiarity with flowcharting concepts desired.
- Ability to communicate effectively in English.