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Software or Electrical/Computer Engineer – Embedded Systems & FPGA

Job Title:

Software or Electrical/Computer Engineer – Embedded Systems & FPGA (All Experience Levels)

Location:

Kennewick, WA – On-site

About UniWest:

Since 1985 UniWest has been a leader in Non-Destructive Testing (NDT) technology development. We provide cutting-edge inspection equipment and expertise across industries such as aerospace, manufacturing, and defense. UniWest is a wholly employee-owned company where every employee is given the opportunity to contribute to our safety critical mission in a meaningful and rewarding manner.

Position Summary:

Our engineering team is seeking a hands-on Embedded Systems Engineer with a passion for designing low-level firmware and digital logic that connects hardware to the real world. This role focuses on embedded development, firmware design, and FPGA support for advanced non-destructive testing (NDT) instrumentation.

Whether you're a recent graduate eager to apply your skills or a seasoned engineer with deep knowledge of embedded systems and digital design, this position offers the chance to work across the full product lifecycle as part of a cross-disciplinary engineering team in a collaborative, small-team environment. Engineers at UniWest are involved from initial design to final deployment — you won't be siloed into writing drivers in the dark. You'll see your code power real instruments used in aerospace, energy, and manufacturing.

Key Responsibilities:

- Design, develop, and maintain firmware for embedded systems in C/C++.
- Support existing FPGA designs and assist in Verilog/VHDL development.
- Collaborate with hardware engineers to troubleshoot and verify digital designs.
- Interface with higher-level software and user interface teams to ensure integrated system performance.
- Assist in creations of internal tool, automated testing, or board bring-up efforts.
- Participate in code reviews, documentation, and validation efforts.

Required Qualifications:

- Bachelor's degree in Computer Engineering, Electrical Engineering, or Computer Science.
- Experience with embedded C/C++ development and debugging tools.
- Understanding of microcontroller peripherals, buses, and real-time programming.
- Familiarity with FPGAs and hardware description languages (Verilog or VHDL).
- Ability to read schematics and debug digital hardware at the signal level.

Preferred Qualifications:

- Experience with Embedded Linux or Yocto.
- Experience with Git or other version control systems.
- Familiarity with scripting languages (Python, Bash) for automation or testing.
- Hands-on experience in hardware/firmware co-design or FPGA toolchains.
- Comfort using lab tools: oscilloscopes, logic analyzers, JTAG, etc.
- Previous work on instrumentation, robotics, or embedded sensor systems.

Compensation & Benefits:

- This is a full-time position. Hiring salary range for this position is \$70,000 – \$120,000 annually, depending on education and relevant experience.
- Company paid medical, dental, and vision insurance.
- Employees are covered by company paid disability, and life insurance.
- Full-time employees start at 13 days of paid time off per year, plus 9 paid holidays.
- Employees participate in our Employee Stock Ownership Plan (ESOP) (100% company paid retirement program) and discretionary profit-sharing program after meeting eligibility requirements.

If you are looking for a place to call home that features a small-team atmosphere with big-project challenges and an opportunity to work on real-world systems with visible impact, consider joining UniWest.

To Apply:

Submit your completed [application](#), resume and (optional) cover letter to info@uniwest.com

UniWest is an EEO employer and encourages anyone interested to apply.