



**POSITION:** Software Engineer III

**BACKGROUND:** Engineering Design Team, Inc. (EDT) specializes in high-speed interface products that link digital cameras, high-resolution scanners, simulation systems, and telemetry receivers to a variety of computers. Since our founding in 1987, EDT has provided interface solutions to scientists and engineers worldwide in the scientific, industrial, and military communities.

**JOB OVERVIEW:** The Software Engineer III (SWE3) at EDT designs, codes, tests, and maintains software associated with the EDT hardware products.

- Read and modify existing code in the EDT SDK.
- Design, write, and test simple software applications on EDT hardware.
- Document EDT SDK software and tests.
- Discuss and document requirements for a particular project and follow through the full development cycle from design through documentation and package installation, either alone or as a member of a small team.
- Follow standardized development protocols.
- Install 3d party software applications such as IDEs.
- Build test systems from parts.
- Work with embedded hardware issues and to diagnose problems with EDT hardware.
- Initiate and develop simple independent programs.
- Work with customers on their issues and help troubleshoot problems.
- Debug problems with specific hardware.
- Research technologies to help with software problems.
- Develop software packaging functions.
- Understanding of EDT hardware interface – DMA and register access.
- Familiarity with the range of tasks associated with supporting EDT hardware systems.
- Work independently to complete any software project, including pulling in other company resources and advocating for those resources.
- Manage major software projects.
- Develop customer requirements for new products.
- Work with customers and resolve issues with the EDT SDK and individual EDT boards.

**SUPERVISORY RESPONSIBILITIES:** None.

**JOB QUALIFICATIONS:**

Education: BA/BS required

Experience: 5-10 years relevant experience

- Familiarity with Linux and Windows
- Proficient in C, C++, and scripting languages such as Python and bash

- Ability to install and test EDT software drivers on Windows and Linux
- Ability to research basic technologies
- Familiarity with software design concepts such as database design, good user-interface design, object oriented software, and software test fixtures.
- Familiarity with how to research and integrate existing open source software libraries into existing or new designs.

Certificates, Licenses, or Registrations: Security Clearance preferred. Must be willing to pursue clearance when an applicable project and sponsor are available.

Specialized knowledge or abilities:

- English required
- Excellent written and verbal communications skills
- Excellent self-direction and multi-tasking skills
- Excellent problem solving skills
- Excellent interpersonal skills

**PHYSICAL DEMANDS:** Sedentary with computer usage most of the day, some walking, lifting, bending, and twisting. May occasionally lift up to 40 pounds.

**WORK ENVIRONMENT:** Office environment, phone/computer work, some manufacturing noise.

**IF INTERESTED, PLEASE SEND RESUME' AND LETTER OF INTEREST TO:**

Sharon Bolesky  
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