

Trusted Science and Technology (TST) is seeking embedded system engineers for senior and mid-level embedded positions. In this role, you will be designing, implementing, and testing embedded software code in support of several ongoing product development activities. TST is an innovative small business that works on DoD research and development projects. TST's goal is to solve cutting edge engineering problems and transition those solutions to the DoD.

## **JOB DUTIES**

- Embedded system engineering in support of ongoing product development activities
- Designing and implementing software on embedded systems, from requirements through production
- Interfacing with hardware and software design and development activities

## **REQUIRED SKILLS**

- 5+ years' experience with embedded system development
- Strong programming skills in C (and C++)
- Proficient at debugging low level code
- Experience in selecting, interfacing and writing code for low level software stacks
- "Bare metal" and device driver programming experience
- Familiarity with ARM architectures, preferably Xilinx ZCU102
- Familiarity with serial interfaces such as I2C, SPI, UART, Ethernet, USB, CAN, etc.
- Ability to gather requirements and generate design documentation
- Familiarity with software configuration management tools such as Subversion, Git, etc.

## **DESIRED SKILLS**

- Experience with seL4
- Experience with Real Time Operating Systems (RTOS's) and/or Linux
- Familiarity with CMake and GNU Compiler
- Experience with Python
- Familiarity with open source hardware such as RISC-V, Raspberry Pi, Beagle Board, etc.
- Familiarity with product lifecycle development and management

## **EDUCATION**

- BS degree (or higher) in electrical engineering, computer science, or a closely related field

## **Clearance:**

Applicants selected will be subject to a security investigation and may need to meet eligibility requirements for access to classified information.

Interested parties should email [belen@trustedst.com](mailto:belen@trustedst.com)