Our company is growing rapidly and is hiring for a computer hardware engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for computer hardware engineer

- Identifies Critical Program Information (CPI) and Critical Components (CC) while developing a Program Protection Plan (PPP) to ensure secure, and reliable operation of government systems
- Implements Engineering best practices to ensure the development and delivery of secure and resilient capabilities
- Documents security approaches for electrical and computer hardware in the Program Protection Plan
- Analyzes software and firmware operation related to the control of sensors, actuators, electro-mechanical components and computer systems
- Analyzes communications, and input/output aspects of electrical, and computer hardware systems
- Analyzes cryptographic hardware components and communications links
- Analyzes printed circuit boards, analog circuits, digital circuits, integrated circuits, FPGA logic
- Provides support to the System Security Working Group
- Presents plans and designs at Engineering Technical Reviews
- Be responsible for the Computer Engineering and Hardware integration activities supporting highly complex Training Systems and sensor simulations that deliver cutting edge simulation environments for military operators

## Qualifications for computer hardware engineer

- Must have active TS with SCI and be willing and able to pass a polygraph prior to starting
- Requires a Bachelor of Science degree in Computer Science, Software Engineering
- Assembly language and C/C++ programming experience
- Reverse- engineering skills for embedded systems with proprietary operating systems
- Experience examining a hardware platform to understand the software and hardware interaction of embedded systems