



# Example of Computer Hardware Engineer Job Description

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Our growing company is hiring for a computer hardware engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for computer hardware engineer

- Apply knowledge of network design, including core and edge access networks, IEEE 802.3, routing protocols, and switching networks
- Support hands-on installation, troubleshooting and testing of C2 hardware on USMC platforms
- Work closely with AV LLC team to deliver edge compute solutions that support autonomous and connected vehicles applications
- Elicit requirements from various stakeholders to optimize the selection of CPU, GPU, FPGA, and other hardware required to process data from sensor platform for objection detection, classification, tracking, and intent prediction applications
- Maintain an expert level of knowledge in emerging CPU, GPU, FPGA, hardware
- Develop and deploy edge-compute validation/verification methods
- Work closely with suppliers to obtain optimized compute solutions, provide performance assessments, develop validation tests
- Support collaboration with perception teams, and other stakeholders across the organization
- Optimize the HPC/AI hardware platform
- Ensure that computer hardware components work together with the latest software developments

## Qualifications for computer hardware engineer

- Current student enrolled full-time in an ABET accredited Electrical or Computer Engineering program (or closely related major) at a four-year institution
- Information Technology Education
- Server knowledge
- Computer hardware support Experience
- 1-3 years of experience in computer science/engineering
- Ability to design, develop, and test software systems in low level and high level programming languages