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Computer hardware engineers oversee the manufacture, installation, and testing of computer systems, servers, chips, and circuit boards. They work with peripherals including keyboards, routers, and printers. Another title for this occupation is hardware engineer. Approximately 73,600 computer hardware engineers worked in the U.S. in 2016.

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Computer engineering (CpE) is a branch of engineering that integrates several fields of computer science and electronic engineering required to develop computer hardware and software. Computer engineers usually have training in electronic engineering (or electrical engineering), software design, and hardware-software integration instead of only software engineering or electronic engineering.

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Many computer hardware engineering graduates end up working in computer hardware or software, while others pursue careers in web or systems development or information technology. Some graduates obtain work in related engineering areas and industries such as aerospace or electronics engineering.

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Many graduates in computer engineering dream of working for one of the top 5 largest tech companies in the world. With offices in every major city across the globe, it doesn't matter where you currently live, there is bound to be an opportunity to join one of these tech giants.

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Computer engineering focuses on solving problems and designing hardware and software interfaces. Expect some similarities between the degrees and job titles, since computer engineers can be responsible for the development and prototyping of software and hardware simultaneously.

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Technological innovation in the computer industry is focused more on software than on hardware. This fact exerts negative pressure on the job outlook and demand for computer hardware engineers. Declining employment in the manufacturing industries that hire many of these engineers will also hinder growth in the field. This loss, however, may be somewhat tempered by openings at computer consulting and hardware start-up firms, to which some manufacturers outsource their hardware design.

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