Computer Hardware Engineer
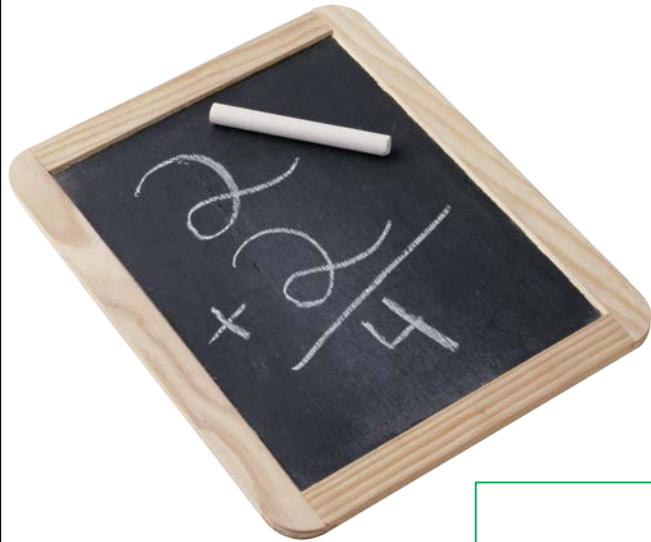
By: Kylie Schoonover

Description

A computer hardware engineer is someone who design computers for the military.

Required

To be a computer hardware engineer you have to have a bachelors degree(4 years)

Colleges
Texas A&M University- College Station, TX
Texas Tech University- Dallas, TX
University of Texas/Dallas- Richardson

Jobs and Salary

An average salary for a computer hardware engineer is **$106,930 per year.**

Companies

1. Akorbi in Mountain View, CA would like a computer hardware engineer.
2. Super Micro Computer Incorporated in San Jose, CA would like a hardware engineer.
3. Omnicell, Inc. in Mountain View, CA would like a computer hardware engineer.

Duties & skills

The duties are:
- Update knowledge and skills to keep up with rapid advancements in computer technology.
- Build, test, and modify product prototypes using working models or theoretical models constructed with computer simulation.
- Write detailed functional specifications that document the hardware development process and support hardware introduction.
- Specify power supply requirements and configuration, drawing on system performance expectations and design specifications.
- Confer with engineering staff and consult specifications to evaluate interface between hardware and software and operational and performance requirements of overall system.

The skills needed are Critical Thinking, Reading Comprehension, Design, Speaking, Active Learning, Writing, and many more.

Percentages and outlooks

The percent for being a computer hardware engineer is 68% success (32% fail) with a bachelor's degree, 27% success (73% fail) with a Master's degree, and 5% success (95% fail) with a Doctoral degree.
The percent growth for computer hardware engineer is 7%.

The outlook with a bachelor's degree is high, but the outlook for a masters and doctoral degree is pretty low.

Pros 😊 & Cons

Pros 😊	Cons
-Good salary -I like being on the computer - creating circuits & chips	- multitask - Lot of math & science classes - Inside a lot

WHY?

I chose this career because it relates to my personality and style, and on every test I took on the computer it always came-up with engineering or something with technology.

References

- Niviance: https://connection.naviance.com/auth/fclookup

- Google: https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8&safe=active&ssui=on#q=what+companies+would+want+a+computer+hardware+engineer&safe=active&ssui=on & https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8&safe=active&ssui=on#q=what%20is%20the%20average%20salary%20for%20a%20computer%20hardware%20engineer&safe=active&ssui=on

- O*net OnLine: http://www.onetonline.org/)

Thank you

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