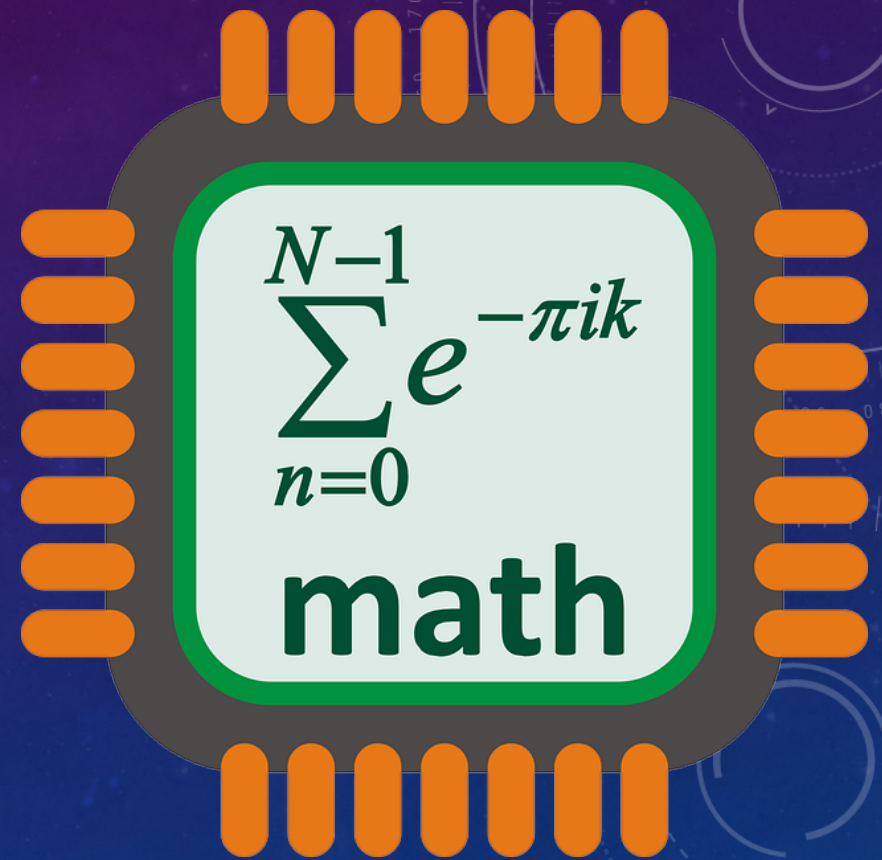# COMPUTER HARDWARE ENGINEER

BY: ANDREW SIMMONS

DESCRIPTION OF THE CAREER

- Computer Hardware Engineers test, investigate, create, and design/develop computer hardware.

- They make these thing and sell them for commercial, industrial, military, and scientific use.

- They also help put together / supervise the manufacturing or installation of any computer related equipment or components.

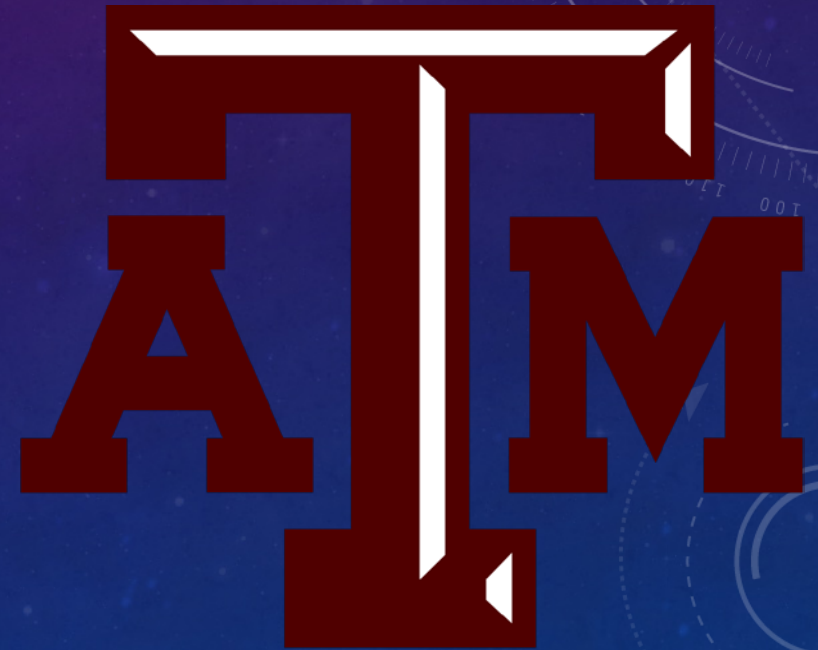$$\sum_{n=0}^{N-1} e^{-\pi i k}$$

math

EDUCATION NEEDED

- To become a Computer Hardware Engineer, you have to need to have at the least, bachelor's degree in Engineering.

- If you want to do research on Computer Engineering, you have to have Ph.D. in Computer Engineering.

COLLAGES YOU CAN GO TO

- You can go to **Collin County Community Collage in McKinney, Texas**

- You can go to **University of Houston in Houston, Texas**

- University of **Huston – Clear Lake in Houston, Texas**

- I choose these because they are the closest to me.

AVERAGE SALARY

- The average salary for a Computer Hardware in Texas is:
- $95,650 a year (Texas)
- $46 an hour (Texas)

$$$

COMPANIES THAT HIRE COMPUTER HARDWARE ENGINEERS

- **You could work for any of the following:**

- **IBM (International Business Machines) in Saint Petersburg, Florida**

- **NIVIDA (a company that makes computer hardware) in Santa Clara, California**

- **BMW (A car company) in Oxnard, California**

- **US Department of Defense Office of Inspector General in Port Hueneme, California**

- **US Air Force in Maxwell AFB Gunter Annex, Alabama**

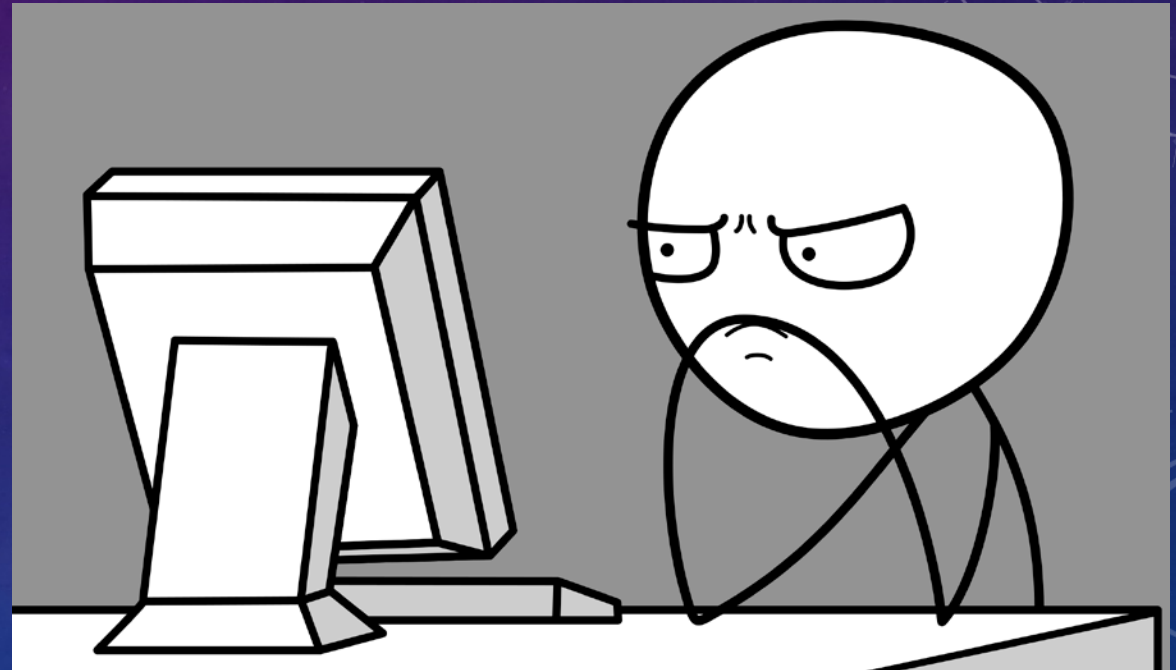- National Aeronautics and Space Administration (NASA) in Cleveland, Ohio

TYPICAL DUTIES FOR COMPUTER HARDWARE ENGINEERS

- Typically, Computer Hardware Engineer's duties would include:

- Fixing and making computer hardware and software

- Solving problems that are computer – related

- Designing computer hardware and software.

SKILLS NEEDED TO BE A COMPUTER HARDWARE ENGINEER

- You need to be able to:
- **B**e able to do critical thinking
- Be an active learner
- Knowledge in computers, electronics, engineering and technology.

OUTLOOK FOR COMPUTER ENGINEERS

- The outlook for a computer hardware engineer is a **Normal Outlook.** The percentage of growth for this job is Slower than average (3% to 7%)

PROS OF BEING A COMPUTER HARDWARE ENGINEER

- I enjoy doing this
- Get to learn about computers
- Can use this skill at home
- It pays a good amount

CONS OF BEING A COMPUTER HARDWARE ENGINEER

- Time consuming?
- Keep updating computers
- May sit at desk a lot

WHY I CHOSE COMPUTER HARDWARE ENGINEERING

- I chose this job for a couple reasons.

- First of all, I've always loved putting stuff together and taking things apart.

- Second, I've always naturally been good with computers and electronics.

- Third of all in the summer before my 6th grade year of school, I built my own gaming computer (it's basically a super computer.)

- And last of all, I've always wanted to have my job have to do with anything computer related.

REFERENCES

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