Activity 2: Employability

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Report

Systems Administrator

Description

The system administrator is someone that is responsible for "effective provisioning, installation/configuration, operation, and maintenance of systems hardware and software and related infrastructure." They also participate in "technical research and development to enable continuing innovation within the infrastructure."

Duties

Duties include:

- Installing and configuring applications

- Contributing to and maintaining system standards

- Performing daily system monitoring, verifying the integrity and availability of all hardware, resources, systems and key processes, reviewing logs, and verifying completion of scheduled tasks.

- Perform regular backups

- Create, change and delete user accounts

- Maintain operational, configuration, or other procedures

- Perform periodic performance reporting

- Maintain data center environmental and monitoring equipment

Education Requirements

Typically requires:

- Bachelor (4-year) degree, with a technical major, such as engineering or computer science

- Systems Administration/System Engineer certification in Unix and Microsoft

- Four to six years system administration experience

Electrical Engineer

Description

An electrical engineer is someone that designs electrical systems by developing and testing components.

Duties

Duties include:

- Evaluating electrical systems, products, components, and applications by designing and conducting research programs; applying knowledge of electricity and materials

- Confirming system's and components capabilities by designing test methods and testing properties

- Assuring product quality by designing tests and testing finished products and systems

- Keeps equipment operational by following manufacturer's instructions and established procedures; requesting repair service.

- Maintains product data base by writing computer programs; entering data.

- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.

Education Requirements

Typically requires:

- Bachelor degree or higher

Which do you prefer?

I would much prefer to be a systems administrator because I love learning new things about computers, and system administration would give me a wonderful platform to do exactly that.

References

[1] Electrical engineer sample job description. `https://hiring.monster.com/hr/hr-best-practices/recruiting-hiring-advice/job-descriptions/electrical-engineer-job-description.aspx`, September 2017.

[2] How to become an electrical engineer: Electrical engineering degrees careers. `http://www.learnhowtobecome.org/electrical-engineer/`, September 2017.

[3] Sample job descriptions and job description tips. `http://supportingadvancement.com/employment/job_descriptions/advancement_services/system_administrator.htm`, September 2017.